

REMOVAL REPORT
FOR
DIAZ INTERMEDIATES CORPORATION SITE
301 WYANOKE ROAD
WEST MEMPHIS, CRITTENDEN COUNTY, ARKANSAS

Prepared for

U.S. Environmental Protection Agency Region 6
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Date Prepared:

October 27, 2008

Prepared by

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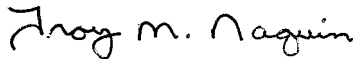
**REMOVAL ASSESSMENT REPORT
FOR
DIAZ INTERMEDIATES CORPORATION SITE

301 WYANOKE ROAD
WEST MEMPHIS, CRITTENDEN COUNTY, ARKANSAS**

Date Prepared:
October 27, 2008

Reference Numbers	
Contract No.:	EP-W-06-077
TDD No.:	TO-0001-08-01-01
CERCLIS No.:	ARR000005843
EPA OSC:	Charles Fisher
START PjM:	Troy M. Naquin

Prepared by:



Troy M. Naquin, PG, CHMM
Dynamac START Project Manager

Date: October 27, 2008

Approved by:



Debra Pandak
Dynamac START Program Manager

Date: October 29, 2008

☒ The EPA Task Monitor Provided final approval of this report

☐ The EPA Task Monitor did not provide final approval of this report prior to the completion date of the Technical Director

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1 INTRODUCTION

Dynamac Corporation (Dynamac) Superfund Technical Assessment and Response Team (START-3) was tasked by the U.S. Environmental Protection Agency (EPA) Region 6 Prevention and Response Branch (PRB) under Contract Number EP-W-06-077 and Technical Direction Document (TDD) number TO-0001-08-01-01 (Appendix I) to conduct removal activities at the Diaz Intermediates Corporation (Diaz) Site located in West Memphis, Crittenden County, Arkansas (AR). The Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) number assigned to Diaz is ARR000005843. Dynamac START-3 provided technical assistance at the site during five site stabilization events from January 9, 2008 through July 25, 2008. Dynamac START-3 has prepared this technical deliverable to describe removal activities that were completed as stated in the TDD.

The purpose of the removal activities was to conduct written and photographic documentation, prepare final removal report, and coordinated with the EPA Work Assignment Manager (WAM).

The scope of work defined in the TDD included:

- Document cost incurred by the contractor during response actions;
- Develop a site-specific Health and Safety Plan (HASP);
- Review completeness of disposal documentation;
- Coordinate removal activities with the EPA WAM.

The EPA Federal On-scene Coordinator (FOSC) for the Diaz Site is Charles Fisher, and the START-3 Project Manager (PjM) is Troy M. Naquin, PG, CHMM of Dynamac.

2 SITE DESCRIPTION AND BACKGROUND

This section provides information about the site location and description, regulatory history, and summary of previous investigations related to the Diaz Site.

2.1 Site Location

The Diaz Site is situated on 10 acres of land located in a rural industrial area at 301 Wyanoke Road in West Memphis, Crittenden County, AR (Figure 1). The geographic coordinates are at Latitude 35.107083° North and Longitude 90.193° West, as scaled from the United States Geological Survey (USGS), 7.5-minute series topographic map (Figure 2). Diaz was constructed in 1998 and consists of a process area, two tank farms, laboratory, warehouse, maintenance and boiler rooms, offices, and a railroad spur. Diaz is bordered to the north and west by agricultural land, to the south by Wyanoke Road, and to the east by a TETRA Technologies plant. Access to the property is restricted with fencing and a locked gate.

2.2 Site Description

Diaz was manufactured specialty intermediate, high-purity, brominated organics for the chemical industry and ceased operations in late July of 2007. When the site was abandoned, approximately 2,200 containers, eight aboveground storage tanks (ASTs), and seven railroad tank cars (RRTCs) of raw materials, off-specification/intermediate products, and finished products remained on-site. In addition, chemicals used during manufacturing remained in process equipment and vessels. A Site Plan is presented in Figure 3.

2.3 Summary of Regulation History and Previous Investigations

Diaz shut down and abandoned the plant in late July of 2007. On August 15, 2007, Diaz filed for Chapter 7 Bankruptcy in U. S. District Court in Jonesboro, AR. Subsequently, the court appointed a trustee to manage the Diaz assets. On August 28, 2007, Arkansas Department of Environmental Quality (ADEQ) conducted a container inventory at the Diaz Site in West Memphis, AR.

On September 11, 2007, the trustee filed a Notice of Intent to abandon the Diaz property. On October 23, 2007, a judge signed the Order of Abandonment for the Diaz Site.

On September 12, 2007, ADEQ requested an initiation of response action by EPA at the Diaz Site, for the purpose of initiating a removal action to protect public health and the environment.

The ADEQ site reference files are presented in Appendix A.

3 REMOVAL ACTIVITIES

From January 9, 2008 through July 25, 2008; Dynamac START-3 mobilized five times and conducted removal stabilization activities at the Diaz Site that included written and photographic documentation, updating container inventorying, and storm water sampling. Removal activities at the Diaz Site were conducted in coordination with the EPA FOSC.

3.1 Container Inventory

During the five removal stabilization events, Dynamac START-3 continued to update the inventory of containers stored at the Diaz Site. As stated in the previously submitted Removal Assessment Report dated February 22, 2008; the type of containers identified at the site include: 5-gallon (gal) buckets, 30- and 55-gal poly and steel drums, 250 to 500-gal plastic totes, eight ASTs, and seven RRTCs. The buckets, drums, and tote tanks were primarily located within the Warehouse, Drum Pad Area, the Forklift Path, the Dock Area, the North Pad Sump Area, South Drum Pad, and the Bulk Truck Loading Pad. A majority of the containers appeared to be properly labeled and in good to fair condition. Dynamac START-3 with assistance by the Emergency Response and Remedial Services (ERRS) contractor, Environmental Quality Inc. (EQM), verified the contents in the eight ASTs and the seven RRTCs. At the completion of inventory activities, START-3 estimated that approximately 2,612 containers were present at the Diaz West Memphis plant. An updated inventory of containers and waste volume estimates is presented in Appendix B.

3.2 Removal Stabilization Activities

EPA conducted five removal stabilization events from January 9, 2008 through July 25, 2008 at the Diaz Site in West Memphis, AR. This section provides a summary of removal stabilization activities conducted at the Diaz Site.

3.2.1 January 9 to 11, 2008 Activities

The first stabilization event was conducted from January 9 through 11, 2008 and involved the inspection and securing of containers, transferring contents from leaking drums, and collecting of storm water samples. ADEQ reported to EPA that during one of their monthly inspections they discovered several leaking drums stored in the warehouse area which had flooded during a recent storm. EPA, START-3, and ERRS inspected the leaking drums in the warehouse and found them to be in poor condition with visual evidence of advance corrosion. The 23 leaking drums were labeled as Di-Bromobenzene (R) for Debromo (dibromobenzene). Prior to emptying the leaking dibromobenzene drums, pooled water in the warehouse was pumped into the Old Tank Farm secondary containment area. The 23 dibromobenzene drums were relocated to the center of the warehouse and their contents, approximately 550 gallons, were transferred into three 300-gal plastic, tote tanks. The three tote tanks were properly labeled and secured in the covered warehouse. Thirteen of the 23 dibromobenzene drums had a thick, sludge-like residue that was not pumpable. Therefore, they were placed and secured in poly over-pack drums. The remaining 10 empty dibromobenzene drums were placed on pallets and a secondary containment berm was constructed to prevent contact with storm water.

ERRS and START-3 inspected all of the containers at the site and many of the 55-gal plastic drums were found to have deteriorating and broken bungs. The deteriorating and broken bungs were removed and replaced with new bungs.

On January 10, 2008, an ADEQ water quality inspector visited the site and coordinated with EPA for the sampling and discharge of the pooled storm water. Dynamac START-3 and EPA collected six storm water samples for ADEQ Effluent Limits including Oil and Grease, Volatile Organic Compounds (VOC) by SW-846 Method 8260, Biological Oxygen Demand (BOD), Total Suspended Solids (TSS), pH, Cyanide, and RCRA Metals. See Figure 4 for the Storm Water Sample

Location Map. The six storm water samples were packaged and shipped to an ERRS-procured laboratory, Pace Analytical, located in St. Rose, Louisiana. See Appendix C for chain-of-custody forms.

Site stabilization activities were completed on January 11, 2008 at which time all personnel demobilized.

3.2.2 January 28 to February 1, 2008 Activities

Storm water analytical results from the six samples were received and forwarded to both ADEQ and the local City of West Memphis Environmental Director, see Appendix D. A table presenting the ADEQ Effluent Limits as compared to the Storm Water Analytical Results is presented in Appendix E. ADEQ reviewed the analytical results and approved the discharge of storm water from five of the six sample locations, except from the Old Tank Farm secondary containment area. The analytical results revealed that this area had a low pH value of 4.25 and a high zinc concentration of 21.5 parts per million (ppm) that exceeded the National Pollution Discharge Elimination System (NPDES) storm water discharge parameters.

On January 29 and 30, 2008, approximately 4,000 gals and 9,950 gals of storm water were discharged into the storm water drainage pathway and the sanitary sewer system, respectively. The pooled storm water in the Drum Pad, North Pad Sump, and South Pad and the on-site storm water drainage pathway areas was allowed to discharge off-site. The pooled storm water in the New Tank Farm secondary containment and the Bulk Truck Loading Pad areas was discharged into the sanitary sewer system for further treatment by the City of West Memphis.

ERRS conducted several bench scale studies to determine the best way to treat the storm water in the Old Tank Farm secondary containment. The goal was to raise the pH to around 7.0 to 9.0 which is the optimal pH readings for precipitating out the suspended zinc material. The bench scale studies began by pumping out approximately 250 gals of storm water with a pH of 4.2 from the Old Tank Farm

secondary containment area into two plastic tote tanks each. Approximately 25 pounds (lbs) of sodium hydroxide (NaOH) soda beads was then added to 250 gals of storm water in one tote tank and circulated with the water in the other tot tank for one hour. START-3 then recorded a pH reading of 11.7 in the tote tanks. Then another 100 lbs of sodium hydroxide was added, circulated in the tote tanks for one hour, and a pH reading of 10.7 was recorded. The two tanks were then emptied back into the Old Tank Farm secondary containment area, circulated, and a pH reading of 11.7 was recorded.

Another 250 gals of storm water was pumped into two tote tanks each. Then approximately 12 milliliters (ml) of muriatic acid was added to each tank and circulated for 5 minutes. After 5 minutes of circulation, a pH reading from 11.7 to 12.0 was recorded. Then another 12 milliliters (ml) of muriatic acid was added to each tank, circulated, and allowed to sit for one hour. While conducting the bench scale study in the tote tanks, ERRS also treated the storm water in the Old Tank Farm secondary containment area by adding 256 ml of muriatic acid, which was then allowed to circulate within the secondary containment. After circulating for one hour, a pH reading of 11.5 was recorded.

ERRS then decided to conduct a smaller bench scale study by using 3 gals of Old Tank Farm secondary containment area storm water. The 3 gals of storm water was placed into a 5-gal bucket then approximately 70 ml of muriatic acid was added and stirred. After stirring for 15 minutes, the pH was dropped from 12.0 to 7.0. Therefore, ERRS calculated that it will take approximately 18 gals of muriatic acid per 4,000 gals of storm water to drop the pH to around 7.0 to 9.0. Another bench scale study was conducted by removing 3.25 gals of Old Tank Farm secondary containment storm water with a pH of 12, placing into a 5-gal bucket, and adding 65 ml of muriatic acid. After 15 minutes of stirring, a pH of 9 was recorded. The water in the 5-gal bucket turned clear as the zinc suspended material precipitated out. START-3 then collected a storm water sample from the 5-gal bucket, labeled the

sample DIC-SW01A, and submitted the sample to Pace Analytical for VOCs by SW-846 Method 8260, BOD, TSS, pH, Cyanide, and RCRA Metals plus copper, nickel, and zinc. See Appendix C for chain-of-custody forms.

While the bench scale studies were being conducted, heavy rains and sleet fell at the site. Pooled storm water from the inclement weather that collected in the New Tank Farm and Bulk Truck Loading Pad secondary containment areas and Process Area was pumped into the city's sanitary sewer. Storm water that accumulated in the Fork Lift, Drum Pad, North Pad Sump, and South Pad areas was pumped into the storm water drainage pathway.

On January 31, 2008, START and ERRS gauged the ASTs to verify their volumes to update the container inventory. The volume confirmed from each AST is presented in Appendix B. The site was secured and personnel demobilized from the site on January 31, 2008 and February 1, 2008.

3.2.3 March 31 to April 4, 2008 Activities

EPA, START, and ERRS mobilized to West Memphis, AR on March 31, 2008 and continued with removal stabilization activities at the Diaz Site on April 1, 2008. Activities included removing pooled storm water, gauging the RRTCs, transferring contents from deteriorating drums into plastic tote tanks, over-packing of drums that exhibited signs of poor integrity, and replacing poor or broken bungs.

The pooled storm water that accumulated in the New Tank Farm and Bulk Truck Loading Pad secondary containment areas and Process Area was pumped into the city's sanitary sewer. The pooled storm water in the Warehouse area was pumped into two 300-gal tote tanks and storm water that accumulated in the Forklift Pad, Drum Pad, North Drum Pad Sump, and South Pad areas was pumped directly into the storm water drainage pathway.

The laboratory analytical results received for sample DIC-SW01A revealed a pH of 7.4 and a zinc concentration of 1.440 ppm (See Appendix E). These results were within the range of the ADEQ Effluent Limits and the storm water from the Old Tank Farm secondary area was approved for discharge into the sanitary sewer.

The pH in the Old Tank Farm secondary containment storm water was checked and found to be around 10.0. Therefore, ERRS added several more gallons of muriatic acid, circulated the storm water for several hours, and the pH dropped to 9.0. The zinc material visually precipitated out of the storm water. However, ERRS was unable to pump out the Old Tank Farm secondary containment storm water because the sanitary sewer had backed up due to the recent and continuing rainfall events.

On April 2, 2008, the RRTCs were re-assessed for volume confirmation. The volume of material estimated from each RRTC is presented in Appendix B. ERRS dressed out in Level C personal protective equipment and vented the collapsing and bulging drums on-site. A forklift was used to move the drums to allow access to replace broken or deteriorated bungs or to place poor condition drums into overpacks.

On April 3, 2008, ERRS began transferring the contents from drums that had poor structural integrity into plastic tote tanks. The following drum contents were transferred and secured into plastic tote tanks for storage:

- 13 drums or 465 gals of bromoanisole
- 7 drums or 150 gal of bromotoluene
- 5 drums or 275 gals of bromofluorobenzene
- 1 drum or 30 gals of bromofluorobenzene crude

The following drums were placed and secured into overpack drums for storage:

- 10 drums of dibromobenzene sludge
- 2 drums of bromofluorobenzene
- 1 drum of bromotoluene mix

- 1 drum of bromotoluene
- 1 drum of bromobenzene pot bottoms

All tote tanks and overpack drums used for storage were properly labeled. By April 4, 2008, ERRS was still unable to pump out the storm water from the Old Tank Farm secondary containment area due to a backed up sanitary sewer. The site was secured on April 4, 2008 and all personnel demobilized on April 5, 2008.

3.2.4 May 27 to 30, 2008 Activities

EPA, START-3, and ERRS mobilized to West Memphis, AR on May 27, 2008 and conducted removal stabilization activities at the Diaz Site from May 28 and 29, 2008. Activities included inspecting all containers, securing or replacing approximately 56 broken drum bungs, and storm water management.

Containers on-site were inspected and drums that were either collapsing or bulging were vented to release pressure. Bungs that were in poor condition were replaced with new bungs and secured on the container.

Pooled storm water had accumulated in the Warehouse Area was pumped out into the Old Tank Farm secondary containment area. After the storm water was removed, fresh absorbent material used to reconstruct the containment area around the dibromobenzene sludge drums stored in the Warehouse Area. The old absorbent material was deposited into drums and labeled.

On May 28, 2008, storm water in the Old Tank Farm, New Tank Farm, Process Building, Forklift Path, and Bulk Truck Loading Pad areas was screened for pH and pumped into the sanitary sewer. Storm water that accumulated in the Forklift Pad, Drum Pad, North Drum Pad Sump, and South Pad areas was pumped into the storm water drainage system.

The site was secured on May 29, 2008 and personnel demobilized on May 30, 2008.

3.2.5 July 21 to 25, 2008 Activities

EPA, START-3, and ERRS mobilized to West Memphis, AR on July 21, 2008. During July 22 - 24, 2008, EPA conducted removal stabilization activities at the site that included inspecting all containers, securing or replacing approximately 103 broken drum bungs, storm water management, and general lawn maintenance.

Storm water had not accumulated in the Old Tank Farm due to the lack of rain since the last pump down on May 30, 2008. Sludge inside the Old Tank Farm secondary containment area was cleaned out and placed in 55-gallon, plastic-lined, steel drums.

On July 23, 2008, a former Diaz employee arrived on-site and conducted a site walk with EPA, START-3 and ERRS. The former employee explained the processes used at the plant and verified the contents in the reactor vessel, piping, and ASTs. See Appendix F for the Reactor Vessel and AST Inventory.

On July 25, 2008, eight collapsed drums containing DBFB/Dibromotoluene Mix and m-Bromofluorobenzene, technical, were transferred to separate tote tanks for storage. In addition, one drum with an unknown content, was placed in an overpack drum and staged in the Warehouse Area.

The site was secured on July 25, 2008 and personnel demobilized on July 25 and 26, 2008.

4 SUMMARY

Dynamac START-3 conducted removal activities at the Diaz Site during five stabilization events from January 9 to July 25, 2008. Removal activities included inventorying of containers; storm water sampling and management; and written and photographic documentation. START updated container inventory, generated the final technical deliverable, and coordinated all removal activities with the EPA WAM.

APPENDIX A
ADEQ Reference Files

ADEQ

ARKANSAS
Department of Environmental Quality

RECEIVED

07 SEP 19 PM 2:07
SUPERFUND DIV.
DIRECTORS OFC.

MEMORANDUM

TO: Ryan Benefield, Chief, HWD

THRU: Melanie Foster, Enforcement & Inspection Branch Manager, HWD *MF*

FROM: Penny J. Wilson, Inspector Supervisor, HWD *PJW*
Les Branscum, Inspector, HWD *LB*

DATE: September 4, 2007

SUBJECT: Diaz Intermediates Corporation
ARR000005843
AFIN 18-00401

Diaz Intermediates Corporation (Diaz) is located at 301 Wyanoke Road in West Memphis, Arkansas. Diaz is a supplier of high purity halogenated fine organic chemicals which uses bromine as the primary raw material in the production of its products which are intermediates to the chemical industry. The West Memphis plant was built in 1998 and occupies a 10 acre site consisting of the process area, two (2) tank farms, Quality Control and Process Development laboratory, warehouse, and offices. Diaz is located in an industrial area of West Memphis and is bordered by Stateside Steel & Wire to the South, Tetra Technologies to the East, Allied Universal Corporation to the Northeast and an empty field to the West. (Refer to Attachment #1 for an aerial map.) Near the end of July, Diaz shut the operations down and the property is currently abandoned. Diaz previously notified as a large quantity generator of hazardous waste.

As you are aware, James Luker is the Trustee for Diaz and expected to receive the keys to the site during the week of August 20, 2007. On August 22, 2007, Les Branscum and I met Brent Walker, Water Inspector, at the site to see if we could gain access to the site. All entrances to the site were locked. Mr. Luker had not received the keys to the site so we could not gain access. However, we were able to walk the perimeter of the fenced area and determined there were no visible areas where releases were occurring or had occurred. Refer to Attachment #2 for photographs from the August 22, 2007 site visit.

Mr. Luker received the keys to the site on Friday, August 24, 2007 and we arranged to meet at the site on Tuesday, August 28, 2007. When we arrived at the site, we met Brent Walker, Mr. Luker, and Ron Reid, former Diaz employee. We informed Mr. Luker that we intended to look around the site, try to inventory the items in each area, and identify any areas for potential

releases or where any releases may have occurred. Mr. Reid informed us that any containers that had a designation of "WP", "HP", or "P" would be considered finished product. All other container labeling would indicate a pre-cursor product and would only be good for the manufacturing of Diaz's products; these could not be used without further processing and would therefore be considered waste.

There are ten (10) areas at the site where various containers are being stored plus the process area where all the process equipment is located. Refer to Attachment #3 for a site map and a list of the approximate number and type of containers for each location. Refer to Attachment #4 for photographs of the August 28, 2007 site visit.

Even though there are numerous containers of different type materials on-site, we only observed one (1) 55-gallon container that had leaked. (Refer to Attachment #4, Photographs #52 and #53.) This container was labeled Bromobenzene and the area where the leak occurred is now covered with a crystal-like substance.

cc: Brent Walker, Water Inspector, Jonesboro Field Office

Diaz Intermediates Corporation

August 28, 2007
Estimated Inventory

Warehouse

Unused Products

n-Propional – 4, 55-gallon poly drums & 6, 275-gallon totes
Aluminum Chloride, Anhydrous – 32, 30-gallon metal drums
Methanol – 33, 55-gallon metal drums
Hydrobromic Acid – unknown number of 55-gallon drums
Red Phosphorus – 2, 5-gallon metal drums ✓
Ferric Chloride – 12, 65lb. metal drums

Finished Products

p-Dibromobenzene – 14 pallets of 5-gallon pails (504 pails)
Ortho-Bromofluorobenzene – 4 pallets of 5-gallon pails (144 pails)
m-Bromonitrobenzene – 11, 300-gallon totes
p-Bromochlorobenzene – 5 pallets of 5-gallon pails (180 pails)
n-Propyl Bromide (Pure) – 12, 275 gallon totes

The following items are partial drums of product used by the lab for sample purposes:

N-Heptylbromide
m-Fluorobenzaldehyde
o-Bromochlorobenzene
m-Bromophenol
2-Bromopyridine
p-Fluoroanisole
m-Dibromobenzene

Materials for Further Processing

2-Bromo pyridine (tech grade) – 20, 55-gallon metal drums
Di-Bromobenzene(R) – 23, 55-gallon metal drums

Waste

"Hazardous Waste" – 1, 55-gallon poly drum without accumulation start date
"Flammable Haz Waste Tol (R) Spill 8/18/06" – 1, 55-gallon poly drum

Ramp on the East Side of the Warehouse

Caustic Soda 50% - 3, 275-gallon totes
Non-Hazardous Waste – 12, 55-gallon poly drums
m-Bromofluorobenzene 65% Crude – 4, 55-gallon poly drums
Bromofluorobenzene Isomer Mid (Mud) – 4, 55-gallon poly drums

Bromotoluene (Crude) – 4, 55-gallon poly drums dated January 2006 ✓
 x-Bromotoluene Bottoms – 3, 55-gallon poly drums
 x-Bromotoluene Crude – 9, 55-gallon poly drums
 x-Bromotoluene Crude – 9, 55-gallon poly drums dated 2006
 DBFB/Dibromotoluene Mix – 22, 55-gallon poly drums
 m-Bromofluorobenzene 99% Technical – 13, 55-gallon poly drums dated July 2005

Forklift Path

m-Bromofluorobenzene 65% Crude – 4, 275-gallon totes
 (WP) MBFB65 – 8, 55-gallon poly drums
 Area "A" Pit Water (Zinc) 4, 275-gallon totes
 DBFB/Dibromotoluene Mix – 12, 55-gallon poly drums
 DBT(H) – 4, 55-gallon poly drums
 x-Bromotoluene(T) Bottoms – 4, 55-gallon poly drums

Pad East of New Tank Farm

DBFB/Dibromotoluene Mix – 8, 55-gallon poly drums
 Waste Pads/Filters MBFB – 3, 55-gallon poly drums
 Zinc Recovery Solids/Mud
 Zorb-All/MBFB65 Clean-up
 (WP) MBFB65 – 3, 55-gallon poly drums
 Mixed Organics (R) Overhead – 4, 55-gallon polys
 Methanol, 4, 55-gallon poly drums
 MBFB(H) Nondistilled Water – 4, 55-gallon poly drums dated 6-2-06
 MBFB(H) Overhead Water – 4, 55-gallon poly drums dated May 2006
 x-Bromotoluene (T) Bottoms – 48, 55-gallon poly drums
 x-Bromotoluene (C) Crude – 7, 55-gallon poly drums

Old Tank Farm

Tank IT01 – Benzene, 8500 gallon stainless steel tank ✓
 Tank IT02 – Aqueous Waste, 10000 gallon fiberglass tank
 Tank IT03 – p-Bromofluorobenzene (PBFB) 8500 stainless steel tank
 Tank IT04 – Hydrobromic Acid, 10000 gallon fiberglass tank ✓

There is a sump that runs along the North wall of the secondary containment for this tank farm. The sump is covered with a metal grating that is extremely deteriorated. At the time of the site visit there was liquid in the sump that had a pH of 6.

New Tank Farm

Tank IT05 - Hydrobromic Acid, 10000 gallon fiberglass tank ✓
 Tank IT06 - Hydrobromic Acid, 10000 gallon fiberglass tank
 Tank IT07 - Hydrobromic Acid, 10000 gallon fiberglass tank
 Tank IT08 - Hydrobromic Acid, 10000 gallon fiberglass tank

There is an accumulation of some type of liquid with a crystal-like substance on top on the southern end of the secondary containment for this tank farm. The pH of the liquid was between 9 and 10.

Drum Pad

Labels on drums include the following: x-Bromotoluene Bottoms May 2006; Process Tars DBFB/Dibromotoluene Mix; p-Bromoanisole (Recycle); Bromobenzene (Recycle); Propyl Bromide (Tech); HCl/HBR Mix SG >1.1 January 31, 2006; Methanol; MBFB (H) Nondistilled Water; (WP) m-bromoanisole (Wet/Pure); (HP) m-Bromoanisole (High Purity); (WP) Toluene (Wet/Pure); Bromofluorobenzene Recycle; Fractionation; Toluene Recycle; m-Bromofluorobenzene

583, 55-gallon poly drums (5 without labels)
3, 85-gallon overpack drums
65, 275-gallon totes
56, 55-gallon Non-Hazardous Waste poly drums

NOTE: One (1) 55-gallon poly drum of Bromobenzene was found to be leaking at the bottom of the drum with a crystal-like material at the leak.

North Pad

Labels on drums include the following: p-Bromoanisole (Wet/Pure); Mixed Organics Neutralized; Mixed Organics Overhead Water; Bottom Purge Drum 2/18/07

71, 55-gallon poly drums
2, 275-gallon totes

Bulk Truck Pad

Labels on drums include the following: x-Bromotoluene(T)Bottoms; DBFB/Dibromotoluene Mix; Process Tars DBFB/Dibromotoluene Mix; (WP) Toluene Wet Pure; Process Tars; Hydrobromic Acid 48% Bottoms from 2BP; Hydrobromic Acid 7/19/05; n-Amyl Alcohol Recovered 2/21/06; n-Amyl Bromide (Technical) 2/16/06

193, 55-gallon poly drums
9, 275-gallon totes
1, 85-gallon overpack drum
1, 5-gallon pail

South Pad

Labels on drums include the following: DBFB/Dibromotoluene Mix 11/8/06; x-Bromotoluene (C) Crude 3/7/06; MBFB (H) Nondistilled Water; Methanol

53, 55-gallon poly drums
4, 275-gallon totes

Rail Spur

Railcars 23500 gallons with Flammable Liquid placard UN1993
 23500 gallons stenciled "Ext. Coating Sherwin Williams Epoxy"
 23500 gallons with Flammable Liquid placard UN2387

There are a total of 2235 containers of material on-site. The following is a breakdown of those containers:

*5-gallon pails = 843
30-gallon drums = 32
55-gallon drums = 1233
85-gallon drums = 4
275- or 300- gallon totes = 120
Railcars = 3*

ADEQ

ARKANSAS
Department of Environmental Quality

September 12, 2007

Mr. Samuel Coleman, Director
Superfund Division (6SF)
U.S. Environmental Protection Agency, Region 6
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733

SUBJECT: Diaz Intermediates Corporation
301 Wyanoke Drive
West Memphis, Arkansas 72301

Dear Mr. Coleman:

Diaz Intermediates Corporation (Diaz) is located at 301 Wyanoke Road in West Memphis, Arkansas. Diaz was a supplier of high purity halogenated fine organic chemicals to the chemical industry, using bromine as the primary raw material in the production of its products. Diaz has notified the Arkansas Department of Environmental Quality (ADEQ) that it is a large quantity generator of hazardous waste. Diaz is currently going through bankruptcy in the United States District Court, Eastern District of Arkansas, Jonesboro Division. They shut down the facility at the end of July 2007 and left approximately 2,200 containers of varying sizes of finished products, off-specification/intermediate products, and raw materials both inside and outside of the facility. Diaz also left material in some of the processing equipment. Although the majority of the material appears to be in stable condition at this time, because it is mostly off-specification/intermediate product, it can not be used by anyone without additional processing and therefore can not be sold. Please see the attached September 4, 2007 trip report for more details.

Diaz also stored materials at a warehouse owned by Blackhawk Warehousing and Leasing located at 407 Phillips 311 in Helena, Arkansas. These materials are housed inside Warehouse #9. Warehouse #9 has a raised berm around the building floor and an overhead sprinkler system for fire suppression. These materials are also a mix of finished product, off-specification/intermediate product, and raw material and appeared to be in fairly stable condition. Blackhawk is concerned about getting these materials properly removed as quickly as possible. Please see the attached September 7, 2007 trip report for more details.

The Arkansas Department of Environmental Quality (ADEQ) is requesting initiation of a response action by U.S. EPA Region 6 at the above-referenced locations. This letter provides U.S. EPA access to the sites. Pursuant to Ark. Code Ann. § 8-7-508(b), I hereby authorize U.S.

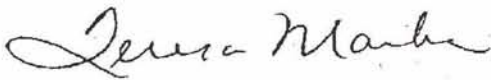
ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY
5301 NORTHSORE DRIVE / NORTH LITTLE ROCK / ARKANSAS 72118-5317 / TELEPHONE 501-682-0744 / FAX 501-682-0880
www.adeq.state.ar.us

Mr. Coleman
September 12, 2007
Page 2

EPA to enter the properties, identified as Diaz Intermediates Corporation and Blackhawk Warehouse #9, for the purpose of initiating and implementing remedial actions, which may include abating, preventing, treating, or containing releases or threatened releases of hazardous substances, including their removal from the environment where removal is necessary to protect public health and the environment.

If you have questions, or require additional information, please contact Ryan Benefield, Chief of Hazardous Waste, at 501-682-0833 or Ellen Carpenter, Chief Legal Counsel, at 501-682-0892.

Sincerely,



Teresa Marks
Director

cc: Senator James C. Luker, P.O. Box 216, Wynne, AR 72396
Ellen Carpenter, Legal Division Chief
Mary Leath, Chief Deputy Director
Karen Bassett, Deputy Director
Ryan Benefield, Hazardous Waste Division Chief
Melanie Foster, E&IB Manager, HWD
Penny Wilson, Inspector Supervisor, E&IB, HWD

ADEQ

ARKANSAS
Department of Environmental Quality

MEMORANDUM

TO: Ryan Benefield, Chief, HWD *RB*

THRU: Melanie Foster, Enforcement & Inspection Branch Manager, HWD *MF*

FROM: Penny J. Wilson, Inspector Supervisor, HWD *PJW*

DATE: October 10, 2007

SUBJECT: Diaz Intermediates Corporation
ARR000005843
AFIN 18-00401

On September 26, 2007, I returned to the Diaz Intermediates site located at 301 Wyanoke Road in West Memphis to check on the status of the site since it is now abandoned. Prior to arriving at the site, I went to James Luker's office in Wynne to get a copy of the keys to the site. As you recall, Mr. Luker is the Trustee of the site. I then arrived at the Diaz site, gained access, and began checking to see if any releases had occurred.

During this site visit, I did not observe any releases of hazardous substances to the environment. However, there are still several containers that are bulging or partially collapsed. These were also noted during the August site visit. There is also a strong "organic" odor coming from the warehouse and a bromine odor around the Drum Pad. There had been recent rains and storm water had collected in the Northeast corner of the Drum Pad as well as the North Pad. There was also some storm water collected in the Bulk Truck Pad. (Refer to Attachment #1 for a site map.) I also noted that the sump that runs along the North side of the Old Tank Farm secondary containment is full and there is approximately 1.5 inches of water in the secondary containment of the New Tank Farm. There was no storm water present in the ditch that runs along the eastern portion of the facility or at the storm water gate. However, there is stressed vegetation in the storm water ditch that is indicative of some type of past release. (Refer to Attachment #2 for photos of the site.)

cc: Les Branscum, Hazardous Waste Inspector
Brent Walker, Water Inspector, Jonesboro Field Office

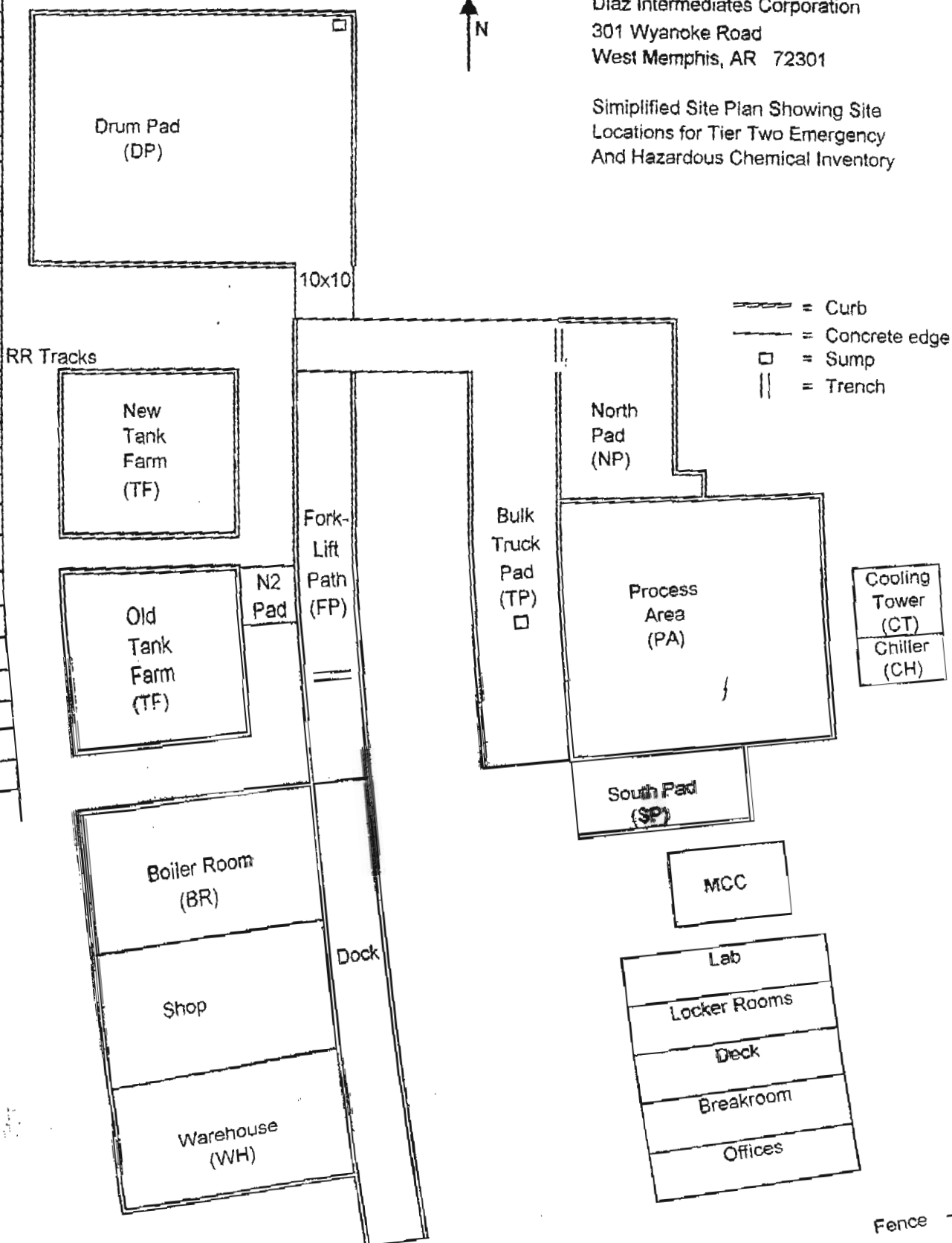
Attachment #1
Diaz Intermediates Corp.
Site Map

08/27/2007 15:07 8707393072

RUTH TRENT

Diaz Intermediates Corporation
301 Wyanoke Road
West Memphis, AR 72301

Simplified Site Plan Showing Site
Locations for Tier Two Emergency
And Hazardous Chemical Inventory





Fence

Front Gate



Attachment #2

Photographs



Arkansas Department of Environmental Quality (ADEQ)
Official Photograph Sheet

Location:		Diaz Intermediates Corporation							
Photographer:		Penny J. Wilson <i>PJW</i>				Witness:		N/A	
Photo #	1	Of	17			Date:	9/26/07	Time:	1220 Hours
Description:		(Facing North) South Pad and Bulk Truck Pad							
									
Photographer:		Penny J. Wilson <i>PJW</i>				Witness:		N/A	
Photo #	2	Of	17			Date:	9/26/07	Time:	1228 Hours
Description:		Drums on Ramp East of the Warehouse along the wall of the building.							
									


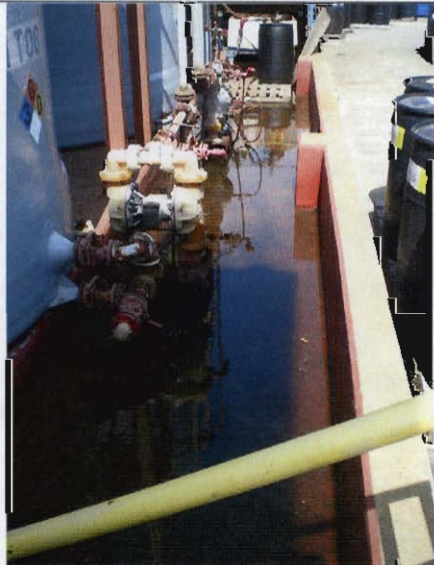
Arkansas Department of Environmental Quality (ADEQ)
Official Photograph Sheet

Location:		Diaz Intermediates Corporation					
Photographer:		Penny J. Wilson <i>PJW</i>			Witness:		N/A
Photo #	3	Of	17		Date:	9/26/07	Time: 1230 Hours
Description:		Blue poly drum on Ramp East of the warehouse along wall of the building.					
							
Photographer:		Penny J. Wilson <i>PJW</i>			Witness:		N/A
Photo #	4	Of	17		Date:	9/26/07	Time: 1238 Hours
Description:		Liquid between Tank IT01 and IT02.					
							


**Arkansas Department of Environmental Quality (ADEQ)
Official Photograph Sheet**

Location:	Diaz Intermediates Corporation						
Photographer:	Penny J. Wilson <i>PJW</i>				Witness:	N/A	
Photo #	5	Of	17		Date:	9/26/07	Time: 1239 Hours
Description:	Sump along the North wall of secondary containment of Old Tank Farm.						
							
Photographer:	Penny J. Wilson <i>PJW</i>				Witness:	N/A	
Photo #	6	Of	17		Date:	9/26/07	Time: 1240 Hours
Description:	Close-up of sump in secondary containment of Old Tank Farm.						
							



Arkansas Department of Environmental Quality (ADEQ)
Official Photograph Sheet

Location:	Diaz Intermediates Corporation						
Photographer:	Penny J. Wilson <i>PJW</i>				Witness:	N/A	
Photo #	7	Of	17		Date:	9/26/07	Time: 1242 Hours
Description:	South side of secondary containment of New Tank Farm.						
							
Photographer:	Penny J. Wilson <i>PJW</i>				Witness:	N/A	
Photo #	8	Of	17		Date:	9/26/07	Time: 1243 Hours
Description:	East side of secondary containment of New Tank Farm.						
							



**Arkansas Department of Environmental Quality (ADEQ)
Official Photograph Sheet**

Location:		Diaz Intermediates Corporation						
Photographer:		Penny J. Wilson <i>PJW</i>			Witness:		N/A	
Photo #	9	Of	17		Date:	9/26/07	Time:	1247 Hours
Description:		Drum seen on 8/27/07 that had leaked. (Note discolored area at the bottom of the drum.)						
								
Photographer:		Penny J. Wilson <i>PJW</i>			Witness:		N/A	
Photo #	10	Of	17		Date:	9/26/07	Time:	1251 Hours
Description:		Northeast corner of Drum Pad with storm water.						
								



**Arkansas Department of Environmental Quality (ADEQ)
Official Photograph Sheet**

Location:	Diaz Intermediates Corporation						
Photographer:	Penny J. Wilson <i>PJW</i>				Witness:	N/A	
Photo #	11	Of	17		Date:	9/26/07	Time: 1251 Hours
Description:	Northeast corner of Drum Pad with storm water.						
							
Photographer:	Penny J. Wilson <i>PJW</i>				Witness:	N/A	
Photo #	12	Of	17		Date:	9/26/07	Time: 1253 Hours
Description:	Northeast corner of Drum Pad with storm water.						
							


**Arkansas Department of Environmental Quality (ADEQ)
Official Photograph Sheet**

Location:		Diaz Intermediates Corporation							
Photographer:		Penny J. Wilson <i>PJW</i>				Witness:		N/A	
Photo #	13	Of	17		Date:	9/26/07	Time:	1254 Hours	
Description:		Sump and pump in Northeast corner of Drum Pad.							
									
Photographer:		Penny J. Wilson <i>PJW</i>				Witness:		N/A	
Photo #	14	Of	17		Date:	9/26/07	Time:	1257 Hours	
Description:		North Pad with storm water.							
									

**Arkansas Department of Environmental Quality (ADEQ)
Official Photograph Sheet**

Location:	Diaz Intermediates Corporation						
Photographer:	Penny J. Wilson <i>PJW</i>				Witness:	N/A	
Photo #	15	Of	17		Date:	9/26/07	Time: 1300 Hours
Description:	Bulk Truck Pad with storm water.						
							
Photographer:	Penny J. Wilson <i>PJW</i>				Witness:	N/A	
Photo #	16	Of	17		Date:	9/26/07	Time: 1305 Hours
Description:	(Facing North) Storm water ditch.						
							

**Arkansas Department of Environmental Quality (ADEQ)
Official Photograph Sheet**

Location:		Diaz Intermediates Corporation						
Photographer:		Penny J. Wilson <i>PJW</i>			Witness:		N/A	
Photo #	17	Of	17		Date:	9/26/07	Time:	1307 Hours
Description:		Storm water gate.						
								
Photographer:					Witness:			
Photo #		Of			Date:		Time:	
Description:								

APPENDIX B

Updated Diaz Container Inventory

APPENDIX B				
DIAZ INTERMEDIATES CORPORATION - ESTIMATED CONTAINER INVENTORY				
LOCATION	CONTAINER SIZE (GAL)	VOLUME (GAL)	CHEMICAL NAME	QUANTITY
Warehouse	55	1760	Aluminum Chloride, Anhydrous	32
Warehouse	55	825	Anisole CR3	15
Warehouse	300	3300	m-Bromoanisole	11
Warehouse	55	55	o-Bromochlorobenzene	1
Warehouse	5	900	p-Bromochlorobenzene	180
Warehouse	55	110	o-Bromofluorobenzene	2
Warehouse	55	2860	2-Bromopyridine (Tech)	52
Warehouse	5	5	Bromomethylbenzene (Pure)	1
Warehouse	55	55	Bromomethyl Benzene (Pure)	1
Warehouse	55	55	Bromomethyl Benzene (Wet/Pure)	1
Warehouse	5	10	m-Bromophenol	2
Warehouse	55	55	2-Bromopyridine	1
Warehouse	5	10	2-Bromopyridine	2
Warehouse	5	5	o-Bromotoluene	1
Warehouse	55	55	o-Bromotoluene (Pure)	1
Warehouse	55	42	Combustible Liquid	1
Warehouse	5	60	3,5-Dianisole (Wet/Pure)	12
Warehouse	55	55	3,5-Dibromoanisole (Wet/Pure)	1
Warehouse	55	55	Diazene-42	1
Warehouse	55	1265	Dibromobenzene (R) for Debromo	23
Warehouse	5	5	m-Dibromobenzene HP	1
Warehouse	5	225	p-Dibromobenzene (8% to 12% TBB)	45
Warehouse	5	675	p-Dibromobenzene (99% <8% TBB)	135
Warehouse	5	2875	p-Dibromobenzene (99% < 0.8% TBB/PDBB)	575
Warehouse	5	25	p-Dibromobenzene (Pure)	5
Warehouse	5	95	p-Dibromobenzene (Wet/Pure) Combustible	19
Warehouse	5	105	Ferric Chloride, Ahhydrous	21
Warehouse	55	55	Fluoroanisole	1
Warehouse	5	10	m-Fluoroanisole	2
Warehouse	30	30	p-Fluoroanisole	1
Warehouse	55	495	Fluorobenzene	9
Warehouse	55	55	m-Fluorobenzene	1
Warehouse	55	55	Hydrobromic Acid	1
Warehouse	55	110	n-Heptyl Bromide	2
Warehouse	55	1320	Methanol	24
Warehouse	55	165	n-Propanol (Fresh)	3
Warehouse	275	3300	n-Propyl Bromide	12
Warehouse	5	5	Parabromotoluene (Pure)	1
Warehouse	5	10	Phosphorous, Amorphous, Red Phosphorous	2
Warehouse	55	220	Phosphorous, Amorphous, Red Phosphorous	4
Warehouse	55	55	RQ Hazardous Waste Soild N.O.S. (Benzene)	1
Warehouse	55	55	1,2,4 Tribromobenzene (96%) TBB	1
Warehouse	55	495	Toluene Recycled	9
Warehouse	55	42	Tol (R) Spill 8-18-06, Flammable Hazwaste	1
Warehouse	55	55	142 Solvent	1
Warehouse	55	1485	Unknown	27
Warehouse	30	510	Unknown	17
Dock Area	250	563	Caustic Soda, 50%	3

APPENDIX B				
DIAZ INTERMEDIATES CORPORATION - ESTIMATED CONTAINER INVENTORY				
LOCATION	CONTAINER SIZE (GAL)	VOLUME (GAL)	CHEMICAL NAME	QUANTITY
Dock Area	55	1120	DBFB/Dibromotoluene Mix	23
Dock Area	55	0	Hydrochloric Acid, BE Muriatic Acid, Technical	29
Dock Area	55	660	Iron Sludge Filter Cake - Non-Hazardous Waste	12
Dock Area	55	220	m-Bromofluorobenzene (c) 65%	4
Dock Area	55	220	x-Bromofluorobenzene Isomer Mix (XBT)	4
Dock Area	55	715	m-Bromofluorobenzene, 99% technical	13
Dock Area	55	662	x-Bromotoluene (C) Crude	13
Dock Area	55	165	x-Bromotoluene Bottoms	3
Fork Lift Path	275	1100	Area A Pit Water (Zinc)	4
Fork Lift Path	275	1035	m-Bromofluorobenzene 65% Crude	4
Fork Lift Path	55	165	MBFB 65 (Crude)	3
Fork Lift Path	55	275	MBFB 65 (WP) Wet Pure	5
Fork Lift Path	55	1265	DBFB/Dibromotoluene mix	23
Fork Lift Path	275	138	MBFB (H) Non-distilled Water	1
Fork Lift Path	275	138	Fractionation MBFB 999 (WP)	1
Fork Lift Path	55	440	DBFB/Dibromotoluene Mix (Dibromotoluenes)	8
Fork Lift Path	55	165	MFB Waste Pads and Filter	3
Fork Lift Path	55	110	Zinc Recovery Solids Mud	2
Fork Lift Path	55	55	MBFB65 Zorb All Clean-Up	1
Fork Lift Path	55	165	MBFB65 (WP) (Wet/Pure)	3
Fork Lift Path	55	220	Mix Organics (R) Overhead	4
Fork Lift Path	55	220	Methanol	4
Fork Lift Path	55	220	MBFB (H) Non-distilled water	4
Fork Lift Path	55	220	MBFB (H) Overhead Water	4
Fork Lift Path	275	2475	MBFB65 (Wet/Pure)	9
Fork Lift Path	275	756	m-Bromofluorobenzene (65%) Crude	3
Fork Lift Path	275	550	MBFB65 © Crude	2
Fork Lift Path	55	330	x-Bromotoluene (C) Crude	6
Fork Lift Path	55	2695	x-Bromotoluene (T) Bottoms	49
Old Tank Farm (IT01)	9,540	378	Benzene	1
Old Tank Farm (IT02)	11,248	8280	Aqueous Waste	1
Old Tank Farm (IT03)	9,534	8514	p-Bromofluorobenzene	1
Old Tank Farm (IT04)	11,248	9775	Hydrobromic Acid	1
New Tank Farm (IT05)	11,656	10209	Hydrobromic Acid	1
New Tank Farm (IT06)	11,656	11104	Hydrobromic Acid	1
New Tank Farm (IT07)	11,656	10746	Hydrobromic Acid	1
New Tank Farm (IT08)	11,656	7283	Hydrobromic Acid	1
Drum Pad Area	55	55	Bromobenzene Bottoms	1
Drum Pad Area	55	220	Bromobenzene Extraction	4
Drum Pad Area	55	110	Bromobenzene Debromo - Extraction	2
Drum Pad Area	55	330	Bromobenzene PDDB Extraction	6
Drum Pad Area	55	440	Bromobenzene Pot Bottoms	8
Drum Pad Area	55	275	Bromobenzene Process Waters	5
Drum Pad Area	55	550	Bromobenzene (Recycle)	10
Drum Pad Area	55	110	Dibromobenzene (R) for Debromo	2
Drum Pad Area	55	220	Bromobenzene (Wet/Pure)	4
Drum Pad Area	55	495	Bromobenzene (Z) with High DBB/TBB	9
Drum Pad Area	55	660	DBFB/Dibromotoluene Mix (Dibromotoluenes)	12

APPENDIX B				
DIAZ INTERMEDIATES CORPORATION - ESTIMATED CONTAINER INVENTORY				
LOCATION	CONTAINER SIZE (GAL)	VOLUME (GAL)	CHEMICAL NAME	QUANTITY
Drum Pad Area	275	414	DBFB/Dibromotoluene Mix (Dibromotoluenes)	2
Drum Pad Area	55	2200	DBFB/Dibromotoluene Mix (Technical Mix)	40
Drum Pad Area	250	376	DBFB/Dibromotoluene Mix (Technical Mix)	2
Drum Pad Area	275	414	DBFB/Dibromotoluene Mix (Technical Mix)	2
Drum Pad Area	250	1128	DBFB/Dibromotoluene H2O (Undistilled)	6
Drum Pad Area	275	250	DBT (H)	1
Drum Pad Area	275	550	Dibromotoluenes H2O Undistilled	2
Drum Pad Area	55	330	Fluorobenzene (Recovered) Acidic	6
Drum Pad Area	55	110	Fluorobenzene (Recycled)	2
Drum Pad Area	55	275	Fractionation	5
Drum Pad Area	250	564	Fractionation	3
Drum Pad Area	275	275	Fractionation	1
Drum Pad Area	55	55	HBR SG>1.1	1
Drum Pad Area	55	1430	HCl/HBr Mix SC>1.1	26
Drum Pad Area	55	1705	Hydrobromic Acid	31
Drum Pad Area	55	495	Hydrobromic Acid (48%)	9
Drum Pad Area	275	414	Hydrobromic Acid (48%) DINT Bottoms from 2BP	2
Drum Pad Area	55	550	Hydrobromic Acid (Low %)	10
Drum Pad Area	55	660	HCl (20%) SG 1.08-1.13 from 2BP	12
Drum Pad Area	55	330	Hydrochloric Acid	6
Drum Pad Area	55	3685	Iron Sludge Filter Cake	67
Drum Pad Area	275	1789	MBFB (H) Non-distilled Water	7
Drum Pad Area	250	751	MBFB (H) Non-distilled Water	4
Drum Pad Area	55	660	MBFB (H) Non-distilled Water	12
Drum Pad Area	55	220	MBFB (H) Overhead Water, MBFB (H)	4
Drum Pad Area	275	550	MBFB (H) Water	2
Drum Pad Area	55	550	m-Bromoaniside	10
Drum Pad Area	55	110	m-Bromoaniside (Crude)	2
Drum Pad Area	55	110	m-Bromoaniside (High Point)	2
Drum Pad Area	55	1650	m-Bromoaniside (Technical)	30
Drum Pad Area	55	1540	m-Bromoaniside (Wet/Pure)	28
Drum Pad Area	55	605	m-Bromoaniside (Wet/Pure) Bottoms	11
Drum Pad Area	55	330	m-Bromoanisole,	6
Drum Pad Area	55	715	m-Bromoanisole (Technical)	13
Drum Pad Area	55	1595	m-Bromoanisole (Wet/Pure)	29
Drum Pad Area	250	500	m-Bromofluorobenzene (65%) Crude	2
Drum Pad Area	55	2750	m-Bromofluorobenzene (R) Recycle	50
Drum Pad Area	55	55	m-Bromofluorobenzene (99%) Technical	1
Drum Pad Area	250	250	m-Bromofluorobenzene (Wet/Pure)	1
Drum Pad Area	55	275	Methanol	5
Drum Pad Area	275	3933	Methanol	19
Drum Pad Area	55	550	n-Propyl bromide (Crude)	10
Drum Pad Area	55	55	n-Propyl Bromide (Wet/Pure))	1
Drum Pad Area	55	55	n-Propyl Bromide (Pure)	1
Drum Pad Area	55	1320	Propyl Bromide (Tech)	24
Drum Pad Area	55	55	p-Dibromobenzene	1
Drum Pad Area	275	207	Toluene Water Non-distilled	1
Drum Pad Area	55	165	Toluene Recycle	3

APPENDIX B				
DIAZ INTERMEDIATES CORPORATION - ESTIMATED CONTAINER INVENTORY				
LOCATION	CONTAINER SIZE (GAL)	VOLUME (GAL)	CHEMICAL NAME	QUANTITY
Drum Pad Area	250	125	Toluene Recycle	1
Drum Pad Area	275	1307	Toluene (Wet/Pure)	5
Drum Pad Area	55	330	Toluene (Wet/Pure)	6
Drum Pad Area	55	165	Unknown	3
Drum Pad Area	55	220	Weak Hydrochloric SG<1.08 from MBFB	4
Drum Pad Area	55	550	x-Bromotoluene (T) Bottoms	10
Process Area - 2nd Floor	55	55	AS05 Cold Trap	1
Process Area - 2nd Floor	55	55	Benzene	1
Process Area - 2nd Floor	55	110	m-Bromoanisole Overhead Water	2
Process Area - 2nd Floor	55	110	DRYCID	2
Process Area - 2nd Floor	20	20	HCl and Water	1
Process Area - 2nd Floor	55	110	20% HCl SG 1.08-1.13 from 2BP	2
Process Area - 2nd Floor	55	110	Hydromic Acid (48%)	2
Process Area - 2nd Floor	5	45	MacDermid Canning TC 7621-3	9
Process Area - 2nd Floor	5	40	MacDermid Spall-Gard II	8
Process Area - 2nd Floor	20	20	Magnesium Sulfate	1
Process Area - 2nd Floor	5	3	Propyl Bromide (Tech)	1
Process Area - 2nd Floor	15	15	Soda Ash	1
Process Area - 2nd Floor	55	220	Unknown	2
South Pad	275	138	m-Bromoanisole in Process Water	1
South Pad	55	28	m-Bromofluorobenzene (65) Crude	1
South Pad	55	605	x-Bromotoluene (c) Crude	11
South Pad	55	1320	DBFB/Dibromotoluene Mix (Dibromotoluene)	24
South Pad	55	660	HCL/HBR Mix SG > 1.1	12
South Pad	55	153	MBFB (H) Non-distilled Water	4
South Pad	55	55	MBFB (H) Overhead Water	1
South Pad	275	825	Methanol	3
South Pad	2,000	4000	Unknown	2
North Pad	275	0	Area A Pitwater Zinc	2
North Pad	55	165	Bottom Purge	3
North Pad	55	880	p-Bromoaniside (Wet/Pure)	16
North Pad	55	110	p-Bromoaniside (Recycle)	2
North Pad	275	0	m-Bromofluorobenzene (65%) Crude	1
North Pad	55	55	DBFB/Dibromofluorobenzene (Technical)	1
North Pad	55	110	DBFB/Dibromotoluene Mix (Dibromotoluenes)	2
North Pad	55	55	DBFB/Dibromotoluene Mix (Technical)	1
North Pad	55	55	MBFB (H) non-distilled H2O	1
North Pad	55	275	Mixed Organics Drum Rinses	5
North Pad	55	990	Mixed Organics Neutralized	18
North Pad	55	275	Mixed Organics OVHD	5
North Pad	55	165	Mixed Organics (R) Overhead	3
North Pad	55	440	Mixed Organics Water	8
North Pad	55	165	Toluene Wet Pure	3
North Pad	55	220	Unknown	4
Tank Farm Pad	55	55	Bromobenzene	1
Tank Farm Pad	55	55	Bromobenzene PDBB extraction	1
Tank Farm Pad	55	55	Bromobenzene Process Waste	1
Tank Farm Pad	55	55	Bromobenzene (Recycled)	1

APPENDIX B				
DIAZ INTERMEDIATES CORPORATION - ESTIMATED CONTAINER INVENTORY				
LOCATION	CONTAINER SIZE (GAL)	VOLUME (GAL)	CHEMICAL NAME	QUANTITY
Tank Farm Pad	55	220	p-Bromoanisole	4
Tank Farm Pad	55	778	p-Bromoanisole (Recycle)	14
Tank Farm Pad	55	220	p-Bromoanisole (Wet Pure)	4
Tank Farm Pad	55	605	x-Bromotoluene (T) Bottoms	11
Tank Farm Pad	55	55	x-Bromotoluene (C) Crude	1
Tank Farm Pad	55	3135	DBFB/Dibromotoluene Mix (Dibromotoluenes)	57
Tank Farm Pad	55	55	DBFB/Dibromotoluene Mix (Technical Mix)	1
Tank Farm Pad	55	220	MBFB (H) Non-distilled Water	4
Tank Farm Pad	55	165	m-Dibromobenzene	3
Tank Farm Pad	55	55	PBS REPACK	1
Tank Farm Pad	55	55	PBS (Wet/Pure)	1
Tank Farm Pad	55	220	Process Tars DBFB/Dibromotoluene Mix	4
Tank Farm Pad	55	220	Toluene (Wet/Pure)	4
Tank Farm Pad	55	385	Unknown	7
Tank Farm Pad	85	85	Unknown	1
Bulk Truck Loading Pad	250	250	Area A Pit Water (Zinc)	1
Bulk Truck Loading Pad	55	55	Bromobenzene Pot Bottoms	1
Bulk Truck Loading Pad	55	55	Bromofluorobenzene Technical (MBFB 99T)	1
Bulk Truck Loading Pad	55	330	Bromotoluene Mix (Technical)	6
Bulk Truck Loading Pad	55	880	DBFB Dibromotoluenes	16
Bulk Truck Loading Pad	55	385	DBFB/Dibromotoluene Mix (Technical Mix)	7
Bulk Truck Loading Pad	55	110	DBFB/Dibromotoluene Mix	2
Bulk Truck Loading Pad	55	715	DBFB/Dibromotoluene Mix (Dibromotoluenes)	13
Bulk Truck Loading Pad	55	605	Fractionation MBFB99 (WP)	11
Bulk Truck Loading Pad	250	64	Fractionation MBFB99 (WP)	1
Bulk Truck Loading Pad	250	250	H2O from TOL (R)	1
Bulk Truck Loading Pad	55	165	Hydrobromic Acid	3
Bulk Truck Loading Pad	250	250	Hydrobromic Acid 48% DINT Bottom from 2BP HB	1
Bulk Truck Loading Pad	275	825	Hydrobromic Acid 48% DINT Bottom from 2BP HB	3
Bulk Truck Loading Pad	55	440	Hydrochloric Acid	8
Bulk Truck Loading Pad	55	1540	HCL HBR Mix SG>1.1	28
Bulk Truck Loading Pad	55	990	MBFB Dibromotoluenes	18
Bulk Truck Loading Pad	55	165	MBFB 65 WP (Wet/Pure))	3
Bulk Truck Loading Pad	55	220	m-Bromofluorobenzene 99% (Technical)	4
Bulk Truck Loading Pad	55	110	n-Amyl Alcohol (Pure) Overhead	2
Bulk Truck Loading Pad	55	715	n-Amyl Bromide (Pure)	13
Bulk Truck Loading Pad	55	55	n-Amyl Bromide (Technical)	1
Bulk Truck Loading Pad	55	220	n-Bromofluoro Benzene 99% (Technical)	4
Bulk Truck Loading Pad	55	110	n-Butanol (Recovered)	2
Bulk Truck Loading Pad	55	220	n-Butanol (Wet)	4
Bulk Truck Loading Pad	55	165	n-Butyl Bromide (Technical)	3
Bulk Truck Loading Pad	55	220	n-Butyl Bromide (Recovered)	4
Bulk Truck Loading Pad	5	4	n-Butyl Bromide (Recovered)	1
Bulk Truck Loading Pad	85	55	Salvage Drum-Unknown Drum Inside	1
Bulk Truck Loading Pad	55	605	Toluene (Wet/Pure)	11
Bulk Truck Loading Pad	55	55	Unknown	1
Bulk Truck Loading Pad	55	55	Weak HBR SG>1.13 from 2BP HBR (R)	1
Bulk Truck Loading Pad	55	55	x-Bromotoluene Bottoms	1

APPENDIX B				
DIAZ INTERMEDIATES CORPORATION - ESTIMATED CONTAINER INVENTORY				
LOCATION	CONTAINER SIZE (GAL)	VOLUME (GAL)	CHEMICAL NAME	QUANTITY
Bulk Truck Loading Pad	55	770	x-Bromotoluenes (T) Bottoms	14
Shed East of Process Area	80	20	Continuum AEC 214, Corrossion Inhibitor	1
Shed East of Process Area	80	20	Spectrus NX108, 2,2 Dibromo-3 Nitrilopropionomic	1
Railroad Tank Car-GATX22264	16762	246	Bromofluorobenzene	1
Railroad Tank Car-GATX11154	23563	11250	x-Bromotoluene (T) Technical	1
Railroad Tank Car-GATX20358	16300	0	Fluorobenzene	1
Railroad Tank Car-GATX49181	23509	16800	x-Bromotoluene (T) Technical	1
Railroad Tank Car-GATX28446	23747	9400	Fluorobenzene (Dupont)	1
Railroad Tank Car-GATX20364	16297	114	p-Bromofluorobenzene	1
Railroad Tank Car-GATX49420	16284	1041	x-Bromotoluene (C) Crude	1
TOTAL ESTIMATED VOLUME (GAL)		221086	TOTAL ESTIMATED CONTAINER QUANTITY	2612

APPENDIX C

Storm Water Sample Chain-of Custody Forms

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A

Required Client Information:

Section B

Required Project Information:

Section C

Invoice Information:

Page: 1 of 2

1154586

Company: EQM	Report To: Robbin Alley (EQM)	Attention: Robbin Alley
Address: 1800 Carillon Blvd	Copy To: Charles Fisher (EPA)	Company Name: EQM
Cincinnati, OH 45240	Troy Naguin (STANT)	Address: 1800 Carillon Blvd, Cincinnati, OH 45240
Email To: ralley2522@aol.com	Purchase Order No.:	Pace Quote Reference:
Phone: 800-500-0575 Fax: 513-825-7495	Project Name: Diaz Intermediates	Pace Project Manager:
Requested Due Date/TAT: 1 week	Project Number: 30268-21	Pace Profile #:

REGULATORY AGENCY		
<input type="checkbox"/> NPDES	<input type="checkbox"/> GROUND WATER	<input type="checkbox"/> DRINKING WATER
<input type="checkbox"/> UST	<input type="checkbox"/> RCRA	<input checked="" type="checkbox"/> OTHER EPA
Site Location	STATE: AR	

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	Matrix Codes Drinking Water DW Water WT Waste Water WW Product P Soil/Solid SL Oil OL Wipe WP Air AR Tissue TS Other OT	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
						COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		↓	Y	N	I	F	A	S	P	C	M			T	O	O	T	H	C	L	O	R	I	D																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
1 week turnaround time	Troy Naguin / STANT	11/10/08	1700				4			
Shipped via FedEx Airbill #	FedEx	11-10-08	1100	Mj Miller / Pace	11-10-08	1100	2.4	✓	✓	✓
864225662500	Mj Miller	1-11-08	1700	FedEx						
Preserved at 4°C				Dirt Haven	1/12/08	08:30	3.8	✓	✓	✓

ORIGINAL

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Retact (Y/N)
PRINT Name of SAMPLER: Troy M. Naguin, Charles Fisher					
SIGNATURE of SAMPLER: Troy M. Naguin, Charles Fisher					
DATE Signed (MM/DD/YY): 01/10/08					

Sample Condition Upon Receipt



Client Name: EQM

Project # 6033909

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☒ yes ☐ no Seals intact: ☒ yes ☐ no

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☒ Other frame

Thermometer Used T-168 Type of Ice: ☒ Wet ☐ Blue ☐ None ☐ Samples on ice, cooling process has begun

Cooler Temperature 2.5 3.8°C Biological Tissue is Frozen: Yes No

Temp should be above freezing to 6°C

Comments:

Optional

Proj. Due Date: 1/23

Proj. Name: Diaz Intermediate

Date and Initials of person examining contents: 1/12/08 MAI

10:42

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7. <u>1 week</u>
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10. <u>1/12/08</u>
Filtered volume received for Dissolved tests	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>WT</u>		
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed <u>MAI</u> Lot # of added preservative
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15. <u>1/12/08</u>
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):	<u>client covered label, non-Pace</u>	

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review:

mpo 1/13/08

Date:

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

Sample Condition Upon Receipt



Client Name: EQM

Project # 6034903

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: 67244343 713

Custody Seal on Cooler/Box Present: ☒ yes ☐ no Seals intact: ☒ yes ☐ no

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☒ Other foam

Thermometer Used T-168 T-169 Type of Ice: Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 3.2

Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: BL 2/2/08

Temp should be above freezing to 6°C

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<u>2/2/08</u> <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	5. <u>Bad out of hold</u>
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6. <u>Bad</u>
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W5</u>		
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: <u>VOA</u> , coliform, TOC, O&G, WI-DRO (water)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed <u>BL</u> Lot # of added preservative
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15. <u>1 vial >6mm H₂O</u>
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>011408-3</u>		<u>BL</u>

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution:

added Oil & Grease. new 2150s

Project Manager Review:

DUV for (MTW) 2/2

Date:

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

APPENDIX D

Storm Water Sample Laboratory Analytical Results

January 22, 2008

Robbin Alley
EQM
1800 Carillon Blvd
Cincinnati, OH 45240

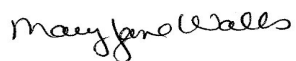
RE: Project: Diaz Intermediate
Pace Project No.: 6033909

Dear Robbin Alley:

Enclosed are the analytical results for sample(s) received by the laboratory on January 12, 2008. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Mary Jane Walls

maryjane.walls@pacelabs.com
Project Manager

A2LA Certification Number: 2456.01
Arkansas Certification Number: 05-008-0
Illinois Certification Number: 001191
Iowa Certification Number: 118
Kansas/NELAP Certification Number: E-10116
Louisiana Certification Number: 03055
Oklahoma Certification Number: 9205/9935
Utah Certification Number: 9135995665

Enclosures

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Diaz Intermediate

Pace Project No.: 6033909

Lab ID	Sample ID	Matrix	Date Collected	Date Received
6033909001	DIC-SW01	Water	01/10/08 14:05	01/12/08 08:30
6033909002	DIC-SW02	Water	01/10/08 14:11	01/12/08 08:30
6033909003	DIC-SW03	Water	01/10/08 14:25	01/12/08 08:30
6033909004	DIC-SW04	Water	01/10/08 14:32	01/12/08 08:30
6033909005	DIC-SW05	Water	01/10/08 14:53	01/12/08 08:30
6033909006	DIC-SW06	Water	01/10/08 14:59	01/12/08 08:30
6033909007	TRIP BLANK	Water	01/10/08 00:00	01/12/08 08:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Diaz Intermediate
Pace Project No.: 6033909

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
6033909001	DIC-SW01	EPA 1664A	ACM	1	PASI-K
		EPA 5030B/8260	AJA	70	PASI-K
		EPA 6010	TJG	5	PASI-K
		SM 2540D	RAB	1	PASI-K
		SM 4500-CN-E	ACM	1	PASI-K
		SM 4500-H+B	MLM	1	PASI-K
		SM 5210B	MLM	1	PASI-K
6033909002	DIC-SW02	EPA 1664A	ACM	1	PASI-K
		EPA 5030B/8260	AJA	70	PASI-K
		EPA 6010	TJG	5	PASI-K
		SM 2540D	RAB	1	PASI-K
		SM 4500-CN-E	ACM	1	PASI-K
		SM 4500-H+B	MLM	1	PASI-K
		SM 5210B	MLM	1	PASI-K
6033909003	DIC-SW03	EPA 1664A	ACM	1	PASI-K
		EPA 5030B/8260	AJA	70	PASI-K
		EPA 6010	TJG	5	PASI-K
		SM 2540D	RAB	1	PASI-K
		SM 4500-CN-E	ACM	1	PASI-K
		SM 4500-H+B	MLM	1	PASI-K
		SM 5210B	MLM	1	PASI-K
6033909004	DIC-SW04	EPA 1664A	ACM	1	PASI-K
		EPA 5030B/8260	AJA	70	PASI-K
		EPA 6010	TJG	5	PASI-K
		SM 2540D	RAB	1	PASI-K
		SM 4500-CN-E	ACM	1	PASI-K
		SM 4500-H+B	MLM	1	PASI-K
		SM 5210B	MLM	1	PASI-K
6033909005	DIC-SW05	EPA 1664A	ACM	1	PASI-K
		EPA 5030B/8260	AJA	70	PASI-K
		EPA 6010	TJG	5	PASI-K
		SM 2540D	RAB	1	PASI-K
		SM 4500-CN-E	ACM	1	PASI-K
		SM 4500-H+B	MLM	1	PASI-K
		SM 5210B	MLM	1	PASI-K
6033909006	DIC-SW06	EPA 1664A	ACM	1	PASI-K
		EPA 5030B/8260	AJA	70	PASI-K

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Diaz Intermediate

Pace Project No.: 6033909

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
6033909007	TRIP BLANK	EPA 6010	TJG	5	PASI-K
		SM 2540D	RAB	1	PASI-K
		SM 4500-CN-E	ACM	1	PASI-K
		SM 4500-H+B	MLM	1	PASI-K
		SM 5210B	MLM	1	PASI-K
		EPA 5030B/8260	AJA	70	PASI-K

REPORT OF LABORATORY ANALYSIS

Page 4 of 47

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PROJECT NARRATIVE

Project: Diaz Intermediate

Pace Project No.: 6033909

Method: EPA 6010

Description: 6010 MET ICP

Client: EQM

Date: January 22, 2008

General Information:

6 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MPRP/5488

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 6033909001

M0: Matrix spike recovery was outside laboratory control limits.

- MS (Lab ID: 274734)
- Zinc

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Diaz Intermediate

Pace Project No.: 6033909

Method: EPA 5030B/8260

Description: 8260 MSV

Client: EQM

Date: January 22, 2008

General Information:

7 samples were analyzed for EPA 5030B/8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

QC Batch: MSV/12518

S2: Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis).

- DIC-SW03 (Lab ID: 6033909003)
 - 1,2-Dichloroethane-d4 (S)
 - 4-Bromofluorobenzene (S)
 - Dibromofluoromethane (S)
 - Toluene-d8 (S)
- DIC-SW05 (Lab ID: 6033909005)
 - 1,2-Dichloroethane-d4 (S)
 - 4-Bromofluorobenzene (S)
 - Dibromofluoromethane (S)
 - Toluene-d8 (S)

QC Batch: MSV/12549

S2: Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis).

- DIC-SW01 (Lab ID: 6033909001)
 - Toluene-d8 (S)

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Diaz Intermediate

Pace Project No.: 6033909

Method: EPA 5030B/8260

Description: 8260 MSV

Client: EQM

Date: January 22, 2008

QC Batch: MSV/12510

L3: Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

- LCS (Lab ID: 274731)
- Bromomethane

QC Batch: MSV/12518

L3: Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

- LCS (Lab ID: 275005)
- Chloroethane

QC Batch: MSV/12549

L3: Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

- LCS (Lab ID: 276073)
- Bromomethane

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSV/12510

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

QC Batch: MSV/12518

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

QC Batch: MSV/12549

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: MSV/12510

C9: Common Laboratory Contaminant.

- TRIP BLANK (Lab ID: 6033909007)
- Methylene chloride

QC Batch: MSV/12549

1e: Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis). Sample appears to have elevated concentrations of 4-Bromofluorobenzene (laboratory surrogate).

- DIC-SW01 (Lab ID: 6033909001)
- 4-Bromofluorobenzene (S)

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PROJECT NARRATIVE

Project: Diaz Intermediate

Pace Project No.: 6033909

Method: EPA 1664A

Description: HEM, Oil and Grease

Client: EQM

Date: January 22, 2008

General Information:

6 samples were analyzed for EPA 1664A. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Diaz Intermediate

Pace Project No.: 6033909

Method: SM 2540D

Description: 2540D Total Suspended Solids

Client: EQM

Date: January 22, 2008

General Information:

6 samples were analyzed for SM 2540D. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: WET/10696

R1: RPD value was outside control limits.

- DUP (Lab ID: 274656)
 - Total Suspended Solids
- DUP (Lab ID: 274657)
 - Total Suspended Solids

Additional Comments:

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PROJECT NARRATIVE

Project: Diaz Intermediate

Pace Project No.: 6033909

Method: SM 4500-H+B

Description: 4500H+ pH, Electrometric

Client: EQM

Date: January 22, 2008

General Information:

6 samples were analyzed for SM 4500-H+B. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H6: Analysis initiated more than 15 minutes after sample collection.

- DIC-SW01 (Lab ID: 6033909001)
- DIC-SW02 (Lab ID: 6033909002)
- DIC-SW03 (Lab ID: 6033909003)
- DIC-SW04 (Lab ID: 6033909004)
- DIC-SW05 (Lab ID: 6033909005)
- DIC-SW06 (Lab ID: 6033909006)

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Diaz Intermediate

Pace Project No.: 6033909

Method: SM 5210B

Description: 5210B BOD, 5 day

Client: EQM

Date: January 22, 2008

General Information:

6 samples were analyzed for SM 5210B. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with SM 5210B with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Diaz Intermediate

Pace Project No.: 6033909

Method: SM 4500-CN-E

Description: 4500CNE Cyanide, Total

Client: EQM

Date: January 22, 2008

General Information:

6 samples were analyzed for SM 4500-CN-E. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: Diaz Intermediate

Pace Project No.: 6033909

Sample: DIC-SW01		Lab ID: 6033909001	Collected: 01/10/08 14:05	Received: 01/12/08 08:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Chromium	33.3	ug/L	5.0	1	01/14/08 00:00	01/15/08 13:54	7440-47-3	
Copper	48.9	ug/L	10.0	1	01/14/08 00:00	01/15/08 13:54	7440-50-8	
Lead	15.4	ug/L	5.0	1	01/14/08 00:00	01/15/08 13:54	7439-92-1	
Nickel	399	ug/L	5.0	1	01/14/08 00:00	01/15/08 13:54	7440-02-0	
Zinc	21500	ug/L	50.0	1	01/14/08 00:00	01/15/08 13:54	7440-66-6	
8260 MSV		Analytical Method: EPA 5030B/8260						
Acetone	ND	ug/L	10.0	1		01/15/08 04:13	67-64-1	
Benzene	ND	ug/L	1.0	1		01/15/08 04:13	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		01/15/08 04:13	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		01/15/08 04:13	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		01/15/08 04:13	75-27-4	
Bromoform	ND	ug/L	1.0	1		01/15/08 04:13	75-25-2	
Bromomethane	ND	ug/L	1.0	1		01/15/08 04:13	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	1		01/15/08 04:13	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		01/15/08 04:13	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		01/15/08 04:13	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		01/15/08 04:13	98-06-6	
Carbon disulfide	ND	ug/L	5.0	1		01/15/08 04:13	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		01/15/08 04:13	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		01/15/08 04:13	108-90-7	
Chloroethane	ND	ug/L	1.0	1		01/15/08 04:13	75-00-3	
Chloroform	ND	ug/L	1.0	1		01/15/08 04:13	67-66-3	
Chloromethane	ND	ug/L	1.0	1		01/15/08 04:13	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		01/15/08 04:13	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		01/15/08 04:13	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		01/15/08 04:13	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		01/15/08 04:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		01/15/08 04:13	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		01/15/08 04:13	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		01/15/08 04:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		01/15/08 04:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		01/15/08 04:13	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		01/15/08 04:13	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		01/15/08 04:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		01/15/08 04:13	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	1.0	1		01/15/08 04:13	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	1		01/15/08 04:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		01/15/08 04:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		01/15/08 04:13	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		01/15/08 04:13	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		01/15/08 04:13	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		01/15/08 04:13	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		01/15/08 04:13	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		01/15/08 04:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		01/15/08 04:13	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	1		01/15/08 04:13	100-41-4	

Date: 01/22/2008 03:55 PM

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ANALYTICAL RESULTS

Project: Diaz Intermediate
Pace Project No.: 6033909

Sample: DIC-SW01		Lab ID: 6033909001	Collected: 01/10/08 14:05	Received: 01/12/08 08:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260						
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		01/15/08 04:13	87-68-3	
2-Hexanone	ND ug/L		10.0	1		01/15/08 04:13	591-78-6	
Isopropylbenzene (Cumene)	ND ug/L		1.0	1		01/15/08 04:13	98-82-8	
p-Isopropyltoluene	ND ug/L		1.0	1		01/15/08 04:13	99-87-6	
Methylene chloride	ND ug/L		1.0	1		01/15/08 04:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		01/15/08 04:13	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		01/15/08 04:13	1634-04-4	
Naphthalene	ND ug/L		10.0	1		01/15/08 04:13	91-20-3	
n-Propylbenzene	ND ug/L		1.0	1		01/15/08 04:13	103-65-1	
Styrene	ND ug/L		1.0	1		01/15/08 04:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		01/15/08 04:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		01/15/08 04:13	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		01/15/08 04:13	127-18-4	
Toluene	ND ug/L		1.0	1		01/15/08 04:13	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		01/15/08 04:13	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		01/15/08 04:13	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		01/15/08 04:13	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		01/15/08 04:13	79-00-5	
Trichloroethene	ND ug/L		1.0	1		01/15/08 04:13	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		01/15/08 04:13	75-69-4	
1,2,3-Trichloropropane	ND ug/L		2.5	1		01/15/08 04:13	96-18-4	
1,2,4-Trimethylbenzene	ND ug/L		1.0	1		01/15/08 04:13	95-63-6	
1,3,5-Trimethylbenzene	ND ug/L		1.0	1		01/15/08 04:13	108-67-8	
Vinyl chloride	ND ug/L		1.0	1		01/15/08 04:13	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		01/15/08 04:13	1330-20-7	
4-Bromofluorobenzene (S)	1703 %		78-122	1		01/15/08 04:13	460-00-4	1e
Dibromofluoromethane (S)	84 %		76-128	1		01/15/08 04:13	1868-53-7	
1,2-Dichloroethane-d4 (S)	85 %		82-134	1		01/15/08 04:13	17060-07-0	
Toluene-d8 (S)	82 %		83-109	1		01/15/08 04:13	2037-26-5	S2
Preservation pH	1.0		0.10	1		01/15/08 04:13		
HEM, Oil and Grease		Analytical Method: EPA 1664A						
Oil and Grease	ND mg/L		5.0	1		01/15/08 09:20		
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	ND mg/L		5.0	1		01/14/08 14:20		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	4.2 Std. Units		0.10	1		01/12/08 14:45		H6
5210B BOD, 5 day		Analytical Method: SM 5210B Preparation Method: SM 5210B						
BOD, 5 day	ND mg/L		2.0	1	01/12/08 14:00	01/17/08 16:05		
4500CNE Cyanide, Total		Analytical Method: SM 4500-CN-E						
Cyanide	0.0080 mg/L		0.0050	1		01/16/08 13:46	57-12-5	

ANALYTICAL RESULTS

Project: Diaz Intermediate

Pace Project No.: 6033909

Sample: DIC-SW02		Lab ID: 6033909002	Collected: 01/10/08 14:11	Received: 01/12/08 08:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Chromium	ND ug/L		5.0	1	01/14/08 00:00	01/15/08 14:06	7440-47-3	
Copper	ND ug/L		10.0	1	01/14/08 00:00	01/15/08 14:06	7440-50-8	
Lead	ND ug/L		5.0	1	01/14/08 00:00	01/15/08 14:06	7439-92-1	
Nickel	17.8 ug/L		5.0	1	01/14/08 00:00	01/15/08 14:06	7440-02-0	
Zinc	1250 ug/L		50.0	1	01/14/08 00:00	01/15/08 14:06	7440-66-6	
8260 MSV		Analytical Method: EPA 5030B/8260						
Acetone	ND ug/L		10.0	1		01/15/08 04:30	67-64-1	
Benzene	ND ug/L		1.0	1		01/15/08 04:30	71-43-2	
Bromobenzene	ND ug/L		1.0	1		01/15/08 04:30	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		01/15/08 04:30	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		01/15/08 04:30	75-27-4	
Bromoform	ND ug/L		1.0	1		01/15/08 04:30	75-25-2	
Bromomethane	ND ug/L		1.0	1		01/15/08 04:30	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		01/15/08 04:30	78-93-3	
n-Butylbenzene	ND ug/L		1.0	1		01/15/08 04:30	104-51-8	
sec-Butylbenzene	ND ug/L		1.0	1		01/15/08 04:30	135-98-8	
tert-Butylbenzene	ND ug/L		1.0	1		01/15/08 04:30	98-06-6	
Carbon disulfide	ND ug/L		5.0	1		01/15/08 04:30	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		01/15/08 04:30	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		01/15/08 04:30	108-90-7	
Chloroethane	ND ug/L		1.0	1		01/15/08 04:30	75-00-3	
Chloroform	ND ug/L		1.0	1		01/15/08 04:30	67-66-3	
Chloromethane	ND ug/L		1.0	1		01/15/08 04:30	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		01/15/08 04:30	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		01/15/08 04:30	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		2.5	1		01/15/08 04:30	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		01/15/08 04:30	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		01/15/08 04:30	106-93-4	
Dibromomethane	ND ug/L		1.0	1		01/15/08 04:30	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		01/15/08 04:30	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		01/15/08 04:30	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		01/15/08 04:30	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		01/15/08 04:30	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		01/15/08 04:30	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		01/15/08 04:30	107-06-2	
1,2-Dichloroethene (Total)	ND ug/L		1.0	1		01/15/08 04:30	540-59-0	
1,1-Dichloroethene	ND ug/L		1.0	1		01/15/08 04:30	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		01/15/08 04:30	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		01/15/08 04:30	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		01/15/08 04:30	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		01/15/08 04:30	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		01/15/08 04:30	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		01/15/08 04:30	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		01/15/08 04:30	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		01/15/08 04:30	10061-02-6	
Ethylbenzene	ND ug/L		1.0	1		01/15/08 04:30	100-41-4	

Date: 01/22/2008 03:55 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Diaz Intermediate
Pace Project No.: 6033909

Sample: DIC-SW02		Lab ID: 6033909002	Collected: 01/10/08 14:11	Received: 01/12/08 08:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260						
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		01/15/08 04:30	87-68-3	
2-Hexanone	ND ug/L		10.0	1		01/15/08 04:30	591-78-6	
Isopropylbenzene (Cumene)	ND ug/L		1.0	1		01/15/08 04:30	98-82-8	
p-Isopropyltoluene	ND ug/L		1.0	1		01/15/08 04:30	99-87-6	
Methylene chloride	ND ug/L		1.0	1		01/15/08 04:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		01/15/08 04:30	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		01/15/08 04:30	1634-04-4	
Naphthalene	ND ug/L		10.0	1		01/15/08 04:30	91-20-3	
n-Propylbenzene	ND ug/L		1.0	1		01/15/08 04:30	103-65-1	
Styrene	ND ug/L		1.0	1		01/15/08 04:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		01/15/08 04:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		01/15/08 04:30	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		01/15/08 04:30	127-18-4	
Toluene	ND ug/L		1.0	1		01/15/08 04:30	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		01/15/08 04:30	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		01/15/08 04:30	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		01/15/08 04:30	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		01/15/08 04:30	79-00-5	
Trichloroethene	ND ug/L		1.0	1		01/15/08 04:30	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		01/15/08 04:30	75-69-4	
1,2,3-Trichloropropane	ND ug/L		2.5	1		01/15/08 04:30	96-18-4	
1,2,4-Trimethylbenzene	ND ug/L		1.0	1		01/15/08 04:30	95-63-6	
1,3,5-Trimethylbenzene	ND ug/L		1.0	1		01/15/08 04:30	108-67-8	
Vinyl chloride	ND ug/L		1.0	1		01/15/08 04:30	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		01/15/08 04:30	1330-20-7	
4-Bromofluorobenzene (S)	109 %		78-122	1		01/15/08 04:30	460-00-4	
Dibromofluoromethane (S)	93 %		76-128	1		01/15/08 04:30	1868-53-7	
1,2-Dichloroethane-d4 (S)	89 %		82-134	1		01/15/08 04:30	17060-07-0	
Toluene-d8 (S)	91 %		83-109	1		01/15/08 04:30	2037-26-5	
Preservation pH	1.0		0.10	1		01/15/08 04:30		
HEM, Oil and Grease		Analytical Method: EPA 1664A						
Oil and Grease	ND mg/L		5.0	1		01/15/08 09:20		
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	ND mg/L		5.0	1		01/14/08 14:21		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	7.6 Std. Units		0.10	1		01/12/08 14:45		H6
5210B BOD, 5 day		Analytical Method: SM 5210B Preparation Method: SM 5210B						
BOD, 5 day	ND mg/L		2.0	1	01/12/08 14:05	01/17/08 16:09		
4500CNE Cyanide, Total		Analytical Method: SM 4500-CN-E						
Cyanide	0.0096 mg/L		0.0050	1		01/16/08 13:49	57-12-5	

ANALYTICAL RESULTS

Project: Diaz Intermediate

Pace Project No.: 6033909

Sample: DIC-SW03		Lab ID: 6033909003	Collected: 01/10/08 14:25	Received: 01/12/08 08:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Chromium	ND ug/L		5.0	1	01/14/08 00:00	01/15/08 14:10	7440-47-3	
Copper	ND ug/L		10.0	1	01/14/08 00:00	01/15/08 14:10	7440-50-8	
Lead	ND ug/L		5.0	1	01/14/08 00:00	01/15/08 14:10	7439-92-1	
Nickel	ND ug/L		5.0	1	01/14/08 00:00	01/15/08 14:10	7440-02-0	
Zinc	ND ug/L		50.0	1	01/14/08 00:00	01/15/08 14:10	7440-66-6	
8260 MSV		Analytical Method: EPA 5030B/8260						
Acetone	ND ug/L		10.0	1		01/15/08 15:14	67-64-1	
Benzene	1.0 ug/L		1.0	1		01/15/08 15:14	71-43-2	
Bromobenzene	23.8 ug/L		1.0	1		01/15/08 15:14	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		01/15/08 15:14	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		01/15/08 15:14	75-27-4	
Bromoform	ND ug/L		1.0	1		01/15/08 15:14	75-25-2	
Bromomethane	ND ug/L		1.0	1		01/15/08 15:14	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		01/15/08 15:14	78-93-3	
n-Butylbenzene	ND ug/L		1.0	1		01/15/08 15:14	104-51-8	
sec-Butylbenzene	ND ug/L		1.0	1		01/15/08 15:14	135-98-8	
tert-Butylbenzene	ND ug/L		1.0	1		01/15/08 15:14	98-06-6	
Carbon disulfide	ND ug/L		5.0	1		01/15/08 15:14	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		01/15/08 15:14	56-23-5	
Chlorobenzene	3.7 ug/L		1.0	1		01/15/08 15:14	108-90-7	
Chloroethane	ND ug/L		1.0	1		01/15/08 15:14	75-00-3	
Chloroform	ND ug/L		1.0	1		01/15/08 15:14	67-66-3	
Chloromethane	ND ug/L		1.0	1		01/15/08 15:14	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		01/15/08 15:14	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		01/15/08 15:14	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		2.5	1		01/15/08 15:14	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		01/15/08 15:14	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		01/15/08 15:14	106-93-4	
Dibromomethane	ND ug/L		1.0	1		01/15/08 15:14	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		01/15/08 15:14	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		01/15/08 15:14	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		01/15/08 15:14	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		01/15/08 15:14	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		01/15/08 15:14	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		01/15/08 15:14	107-06-2	
1,2-Dichloroethene (Total)	ND ug/L		1.0	1		01/15/08 15:14	540-59-0	
1,1-Dichloroethene	ND ug/L		1.0	1		01/15/08 15:14	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		01/15/08 15:14	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		01/15/08 15:14	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		01/15/08 15:14	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		01/15/08 15:14	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		01/15/08 15:14	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		01/15/08 15:14	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		01/15/08 15:14	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		01/15/08 15:14	10061-02-6	
Ethylbenzene	ND ug/L		1.0	1		01/15/08 15:14	100-41-4	

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ANALYTICAL RESULTS

Project: Diaz Intermediate
Pace Project No.: 6033909

Sample: DIC-SW03		Lab ID: 6033909003	Collected: 01/10/08 14:25	Received: 01/12/08 08:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260						
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		01/15/08 15:14	87-68-3	
2-Hexanone	ND ug/L		10.0	1		01/15/08 15:14	591-78-6	
Isopropylbenzene (Cumene)	ND ug/L		1.0	1		01/15/08 15:14	98-82-8	
p-Isopropyltoluene	ND ug/L		1.0	1		01/15/08 15:14	99-87-6	
Methylene chloride	ND ug/L		1.0	1		01/15/08 15:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		01/15/08 15:14	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		01/15/08 15:14	1634-04-4	
Naphthalene	ND ug/L		10.0	1		01/15/08 15:14	91-20-3	
n-Propylbenzene	ND ug/L		1.0	1		01/15/08 15:14	103-65-1	
Styrene	ND ug/L		1.0	1		01/15/08 15:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		01/15/08 15:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		01/15/08 15:14	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		01/15/08 15:14	127-18-4	
Toluene	21.5 ug/L		1.0	1		01/15/08 15:14	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		01/15/08 15:14	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		01/15/08 15:14	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		01/15/08 15:14	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		01/15/08 15:14	79-00-5	
Trichloroethene	ND ug/L		1.0	1		01/15/08 15:14	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		01/15/08 15:14	75-69-4	
1,2,3-Trichloropropane	ND ug/L		2.5	1		01/15/08 15:14	96-18-4	
1,2,4-Trimethylbenzene	ND ug/L		1.0	1		01/15/08 15:14	95-63-6	
1,3,5-Trimethylbenzene	ND ug/L		1.0	1		01/15/08 15:14	108-67-8	
Vinyl chloride	ND ug/L		1.0	1		01/15/08 15:14	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		01/15/08 15:14	1330-20-7	
4-Bromofluorobenzene (S)	143 %		78-122	1		01/15/08 15:14	460-00-4	S2
Dibromofluoromethane (S)	43 %		76-128	1		01/15/08 15:14	1868-53-7	S2
1,2-Dichloroethane-d4 (S)	42 %		82-134	1		01/15/08 15:14	17060-07-0	S2
Toluene-d8 (S)	42 %		83-109	1		01/15/08 15:14	2037-26-5	S2
Preservation pH	1.0		0.10	1		01/15/08 15:14		
HEM, Oil and Grease		Analytical Method: EPA 1664A						
Oil and Grease	ND mg/L		5.0	1		01/15/08 09:20		
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	ND mg/L		5.0	1		01/14/08 14:21		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	7.7 Std. Units		0.10	1		01/12/08 14:45		H6
5210B BOD, 5 day		Analytical Method: SM 5210B Preparation Method: SM 5210B						
BOD, 5 day	2.2 mg/L		2.0	1	01/12/08 14:16	01/17/08 16:11		
4500CNE Cyanide, Total		Analytical Method: SM 4500-CN-E						
Cyanide	ND mg/L		0.0050	1		01/16/08 13:49	57-12-5	

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ANALYTICAL RESULTS

Project: Diaz Intermediate

Pace Project No.: 6033909

Sample: DIC-SW04		Lab ID: 6033909004	Collected: 01/10/08 14:32	Received: 01/12/08 08:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Chromium	ND ug/L		5.0	1	01/14/08 00:00	01/15/08 14:14	7440-47-3	
Copper	ND ug/L		10.0	1	01/14/08 00:00	01/15/08 14:14	7440-50-8	
Lead	ND ug/L		5.0	1	01/14/08 00:00	01/15/08 14:14	7439-92-1	
Nickel	ND ug/L		5.0	1	01/14/08 00:00	01/15/08 14:14	7440-02-0	
Zinc	94.7 ug/L		50.0	1	01/14/08 00:00	01/15/08 14:14	7440-66-6	
8260 MSV		Analytical Method: EPA 5030B/8260						
Acetone	ND ug/L		10.0	1		01/15/08 05:03	67-64-1	
Benzene	ND ug/L		1.0	1		01/15/08 05:03	71-43-2	
Bromobenzene	ND ug/L		1.0	1		01/15/08 05:03	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		01/15/08 05:03	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		01/15/08 05:03	75-27-4	
Bromoform	ND ug/L		1.0	1		01/15/08 05:03	75-25-2	
Bromomethane	ND ug/L		1.0	1		01/15/08 05:03	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		01/15/08 05:03	78-93-3	
n-Butylbenzene	ND ug/L		1.0	1		01/15/08 05:03	104-51-8	
sec-Butylbenzene	ND ug/L		1.0	1		01/15/08 05:03	135-98-8	
tert-Butylbenzene	ND ug/L		1.0	1		01/15/08 05:03	98-06-6	
Carbon disulfide	ND ug/L		5.0	1		01/15/08 05:03	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		01/15/08 05:03	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		01/15/08 05:03	108-90-7	
Chloroethane	ND ug/L		1.0	1		01/15/08 05:03	75-00-3	
Chloroform	ND ug/L		1.0	1		01/15/08 05:03	67-66-3	
Chloromethane	ND ug/L		1.0	1		01/15/08 05:03	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		01/15/08 05:03	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		01/15/08 05:03	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		2.5	1		01/15/08 05:03	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		01/15/08 05:03	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		01/15/08 05:03	106-93-4	
Dibromomethane	ND ug/L		1.0	1		01/15/08 05:03	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		01/15/08 05:03	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		01/15/08 05:03	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		01/15/08 05:03	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		01/15/08 05:03	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		01/15/08 05:03	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		01/15/08 05:03	107-06-2	
1,2-Dichloroethene (Total)	ND ug/L		1.0	1		01/15/08 05:03	540-59-0	
1,1-Dichloroethene	ND ug/L		1.0	1		01/15/08 05:03	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		01/15/08 05:03	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		01/15/08 05:03	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		01/15/08 05:03	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		01/15/08 05:03	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		01/15/08 05:03	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		01/15/08 05:03	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		01/15/08 05:03	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		01/15/08 05:03	10061-02-6	
Ethylbenzene	ND ug/L		1.0	1		01/15/08 05:03	100-41-4	

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ANALYTICAL RESULTS

Project: Diaz Intermediate
Pace Project No.: 6033909

Sample: DIC-SW04		Lab ID: 6033909004	Collected: 01/10/08 14:32	Received: 01/12/08 08:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260						
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		01/15/08 05:03	87-68-3	
2-Hexanone	ND ug/L		10.0	1		01/15/08 05:03	591-78-6	
Isopropylbenzene (Cumene)	ND ug/L		1.0	1		01/15/08 05:03	98-82-8	
p-Isopropyltoluene	ND ug/L		1.0	1		01/15/08 05:03	99-87-6	
Methylene chloride	ND ug/L		1.0	1		01/15/08 05:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		01/15/08 05:03	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		01/15/08 05:03	1634-04-4	
Naphthalene	ND ug/L		10.0	1		01/15/08 05:03	91-20-3	
n-Propylbenzene	ND ug/L		1.0	1		01/15/08 05:03	103-65-1	
Styrene	ND ug/L		1.0	1		01/15/08 05:03	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		01/15/08 05:03	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		01/15/08 05:03	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		01/15/08 05:03	127-18-4	
Toluene	ND ug/L		1.0	1		01/15/08 05:03	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		01/15/08 05:03	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		01/15/08 05:03	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		01/15/08 05:03	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		01/15/08 05:03	79-00-5	
Trichloroethene	ND ug/L		1.0	1		01/15/08 05:03	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		01/15/08 05:03	75-69-4	
1,2,3-Trichloropropane	ND ug/L		2.5	1		01/15/08 05:03	96-18-4	
1,2,4-Trimethylbenzene	ND ug/L		1.0	1		01/15/08 05:03	95-63-6	
1,3,5-Trimethylbenzene	ND ug/L		1.0	1		01/15/08 05:03	108-67-8	
Vinyl chloride	ND ug/L		1.0	1		01/15/08 05:03	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		01/15/08 05:03	1330-20-7	
4-Bromofluorobenzene (S)	110 %		78-122	1		01/15/08 05:03	460-00-4	
Dibromofluoromethane (S)	96 %		76-128	1		01/15/08 05:03	1868-53-7	
1,2-Dichloroethane-d4 (S)	95 %		82-134	1		01/15/08 05:03	17060-07-0	
Toluene-d8 (S)	87 %		83-109	1		01/15/08 05:03	2037-26-5	
Preservation pH	1.0		0.10	1		01/15/08 05:03		
HEM, Oil and Grease		Analytical Method: EPA 1664A						
Oil and Grease	ND mg/L		5.0	1		01/15/08 09:21		
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	10.0 mg/L		5.0	1		01/14/08 14:21		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	7.8 Std. Units		0.10	1		01/12/08 14:45		H6
5210B BOD, 5 day		Analytical Method: SM 5210B Preparation Method: SM 5210B						
BOD, 5 day	ND mg/L		2.0	1	01/12/08 14:24	01/17/08 16:15		
4500CNE Cyanide, Total		Analytical Method: SM 4500-CN-E						
Cyanide	ND mg/L		0.0050	1		01/16/08 13:50	57-12-5	

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ANALYTICAL RESULTS

Project: Diaz Intermediate

Pace Project No.: 6033909

Sample: DIC-SW05		Lab ID: 6033909005	Collected: 01/10/08 14:53	Received: 01/12/08 08:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Chromium	5.5 ug/L		5.0	1	01/14/08 00:00	01/15/08 14:18	7440-47-3	
Copper	ND ug/L		10.0	1	01/14/08 00:00	01/15/08 14:18	7440-50-8	
Lead	ND ug/L		5.0	1	01/14/08 00:00	01/15/08 14:18	7439-92-1	
Nickel	30.1 ug/L		5.0	1	01/14/08 00:00	01/15/08 14:18	7440-02-0	
Zinc	331 ug/L		50.0	1	01/14/08 00:00	01/15/08 14:18	7440-66-6	
8260 MSV		Analytical Method: EPA 5030B/8260						
Acetone	ND ug/L		10.0	1		01/15/08 15:31	67-64-1	
Benzene	ND ug/L		1.0	1		01/15/08 15:31	71-43-2	
Bromobenzene	33.6 ug/L		1.0	1		01/15/08 15:31	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		01/15/08 15:31	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		01/15/08 15:31	75-27-4	
Bromoform	ND ug/L		1.0	1		01/15/08 15:31	75-25-2	
Bromomethane	ND ug/L		1.0	1		01/15/08 15:31	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		01/15/08 15:31	78-93-3	
n-Butylbenzene	ND ug/L		1.0	1		01/15/08 15:31	104-51-8	
sec-Butylbenzene	ND ug/L		1.0	1		01/15/08 15:31	135-98-8	
tert-Butylbenzene	ND ug/L		1.0	1		01/15/08 15:31	98-06-6	
Carbon disulfide	ND ug/L		5.0	1		01/15/08 15:31	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		01/15/08 15:31	56-23-5	
Chlorobenzene	8.4 ug/L		1.0	1		01/15/08 15:31	108-90-7	
Chloroethane	ND ug/L		1.0	1		01/15/08 15:31	75-00-3	
Chloroform	ND ug/L		1.0	1		01/15/08 15:31	67-66-3	
Chloromethane	4.0 ug/L		1.0	1		01/15/08 15:31	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		01/15/08 15:31	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		01/15/08 15:31	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		2.5	1		01/15/08 15:31	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		01/15/08 15:31	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		01/15/08 15:31	106-93-4	
Dibromomethane	ND ug/L		1.0	1		01/15/08 15:31	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		01/15/08 15:31	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		01/15/08 15:31	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		01/15/08 15:31	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		01/15/08 15:31	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		01/15/08 15:31	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		01/15/08 15:31	107-06-2	
1,2-Dichloroethene (Total)	ND ug/L		1.0	1		01/15/08 15:31	540-59-0	
1,1-Dichloroethene	ND ug/L		1.0	1		01/15/08 15:31	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		01/15/08 15:31	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		01/15/08 15:31	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		01/15/08 15:31	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		01/15/08 15:31	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		01/15/08 15:31	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		01/15/08 15:31	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		01/15/08 15:31	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		01/15/08 15:31	10061-02-6	
Ethylbenzene	ND ug/L		1.0	1		01/15/08 15:31	100-41-4	

Date: 01/22/2008 03:55 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Diaz Intermediate
Pace Project No.: 6033909

Sample: DIC-SW05		Lab ID: 6033909005	Collected: 01/10/08 14:53	Received: 01/12/08 08:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260						
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		01/15/08 15:31	87-68-3	
2-Hexanone	ND	ug/L	10.0	1		01/15/08 15:31	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		01/15/08 15:31	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		01/15/08 15:31	99-87-6	
Methylene chloride	ND	ug/L	1.0	1		01/15/08 15:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		01/15/08 15:31	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		01/15/08 15:31	1634-04-4	
Naphthalene	ND	ug/L	10.0	1		01/15/08 15:31	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		01/15/08 15:31	103-65-1	
Styrene	ND	ug/L	1.0	1		01/15/08 15:31	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		01/15/08 15:31	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		01/15/08 15:31	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		01/15/08 15:31	127-18-4	
Toluene	95.0	ug/L	1.0	1		01/15/08 15:31	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		01/15/08 15:31	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		01/15/08 15:31	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/15/08 15:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/15/08 15:31	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		01/15/08 15:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		01/15/08 15:31	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.5	1		01/15/08 15:31	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		01/15/08 15:31	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		01/15/08 15:31	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		01/15/08 15:31	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		01/15/08 15:31	1330-20-7	
4-Bromofluorobenzene (S)	386	%	78-122	1		01/15/08 15:31	460-00-4	S2
Dibromofluoromethane (S)	46	%	76-128	1		01/15/08 15:31	1868-53-7	S2
1,2-Dichloroethane-d4 (S)	45	%	82-134	1		01/15/08 15:31	17060-07-0	S2
Toluene-d8 (S)	42	%	83-109	1		01/15/08 15:31	2037-26-5	S2
Preservation pH	1.0		0.10	1		01/15/08 15:31		
HEM, Oil and Grease		Analytical Method: EPA 1664A						
Oil and Grease	ND	mg/L	5.0	1		01/15/08 09:21		
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	ND	mg/L	5.0	1		01/16/08 15:34		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	7.7	Std. Units	0.10	1		01/12/08 14:45		H6
5210B BOD, 5 day		Analytical Method: SM 5210B Preparation Method: SM 5210B						
BOD, 5 day	2.0	mg/L	2.0	1	01/12/08 14:27	01/17/08 16:19		
4500CNE Cyanide, Total		Analytical Method: SM 4500-CN-E						
Cyanide	0.0066	mg/L	0.0050	1		01/16/08 13:53	57-12-5	

ANALYTICAL RESULTS

Project: Diaz Intermediate

Pace Project No.: 6033909

Sample: DIC-SW06		Lab ID: 6033909006	Collected: 01/10/08 14:59	Received: 01/12/08 08:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Chromium	ND ug/L		5.0	1	01/14/08 00:00	01/15/08 14:22	7440-47-3	
Copper	ND ug/L		10.0	1	01/14/08 00:00	01/15/08 14:22	7440-50-8	
Lead	ND ug/L		5.0	1	01/14/08 00:00	01/15/08 14:22	7439-92-1	
Nickel	ND ug/L		5.0	1	01/14/08 00:00	01/15/08 14:22	7440-02-0	
Zinc	ND ug/L		50.0	1	01/14/08 00:00	01/15/08 14:22	7440-66-6	
8260 MSV		Analytical Method: EPA 5030B/8260						
Acetone	ND ug/L		10.0	1		01/15/08 05:36	67-64-1	
Benzene	ND ug/L		1.0	1		01/15/08 05:36	71-43-2	
Bromobenzene	ND ug/L		1.0	1		01/15/08 05:36	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		01/15/08 05:36	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		01/15/08 05:36	75-27-4	
Bromoform	ND ug/L		1.0	1		01/15/08 05:36	75-25-2	
Bromomethane	ND ug/L		1.0	1		01/15/08 05:36	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		01/15/08 05:36	78-93-3	
n-Butylbenzene	ND ug/L		1.0	1		01/15/08 05:36	104-51-8	
sec-Butylbenzene	ND ug/L		1.0	1		01/15/08 05:36	135-98-8	
tert-Butylbenzene	ND ug/L		1.0	1		01/15/08 05:36	98-06-6	
Carbon disulfide	ND ug/L		5.0	1		01/15/08 05:36	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		01/15/08 05:36	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		01/15/08 05:36	108-90-7	
Chloroethane	ND ug/L		1.0	1		01/15/08 05:36	75-00-3	
Chloroform	ND ug/L		1.0	1		01/15/08 05:36	67-66-3	
Chloromethane	ND ug/L		1.0	1		01/15/08 05:36	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		01/15/08 05:36	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		01/15/08 05:36	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		2.5	1		01/15/08 05:36	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		01/15/08 05:36	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		01/15/08 05:36	106-93-4	
Dibromomethane	ND ug/L		1.0	1		01/15/08 05:36	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		01/15/08 05:36	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		01/15/08 05:36	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		01/15/08 05:36	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		01/15/08 05:36	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		01/15/08 05:36	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		01/15/08 05:36	107-06-2	
1,2-Dichloroethene (Total)	ND ug/L		1.0	1		01/15/08 05:36	540-59-0	
1,1-Dichloroethene	ND ug/L		1.0	1		01/15/08 05:36	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		01/15/08 05:36	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		01/15/08 05:36	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		01/15/08 05:36	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		01/15/08 05:36	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		01/15/08 05:36	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		01/15/08 05:36	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		01/15/08 05:36	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		01/15/08 05:36	10061-02-6	
Ethylbenzene	ND ug/L		1.0	1		01/15/08 05:36	100-41-4	

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ANALYTICAL RESULTS

Project: Diaz Intermediate

Pace Project No.: 6033909

Sample: DIC-SW06		Lab ID: 6033909006	Collected: 01/10/08 14:59	Received: 01/12/08 08:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260						
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		01/15/08 05:36	87-68-3	
2-Hexanone	ND ug/L		10.0	1		01/15/08 05:36	591-78-6	
Isopropylbenzene (Cumene)	ND ug/L		1.0	1		01/15/08 05:36	98-82-8	
p-Isopropyltoluene	ND ug/L		1.0	1		01/15/08 05:36	99-87-6	
Methylene chloride	ND ug/L		1.0	1		01/15/08 05:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		01/15/08 05:36	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		01/15/08 05:36	1634-04-4	
Naphthalene	ND ug/L		10.0	1		01/15/08 05:36	91-20-3	
n-Propylbenzene	ND ug/L		1.0	1		01/15/08 05:36	103-65-1	
Styrene	ND ug/L		1.0	1		01/15/08 05:36	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		01/15/08 05:36	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		01/15/08 05:36	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		01/15/08 05:36	127-18-4	
Toluene	ND ug/L		1.0	1		01/15/08 05:36	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		01/15/08 05:36	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		01/15/08 05:36	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		01/15/08 05:36	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		01/15/08 05:36	79-00-5	
Trichloroethene	ND ug/L		1.0	1		01/15/08 05:36	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		01/15/08 05:36	75-69-4	
1,2,3-Trichloropropane	ND ug/L		2.5	1		01/15/08 05:36	96-18-4	
1,2,4-Trimethylbenzene	ND ug/L		1.0	1		01/15/08 05:36	95-63-6	
1,3,5-Trimethylbenzene	ND ug/L		1.0	1		01/15/08 05:36	108-67-8	
Vinyl chloride	ND ug/L		1.0	1		01/15/08 05:36	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		01/15/08 05:36	1330-20-7	
4-Bromofluorobenzene (S)	111 %		78-122	1		01/15/08 05:36	460-00-4	
Dibromofluoromethane (S)	96 %		76-128	1		01/15/08 05:36	1868-53-7	
1,2-Dichloroethane-d4 (S)	94 %		82-134	1		01/15/08 05:36	17060-07-0	
Toluene-d8 (S)	94 %		83-109	1		01/15/08 05:36	2037-26-5	
Preservation pH	1.0		0.10	1		01/15/08 05:36		
HEM, Oil and Grease		Analytical Method: EPA 1664A						
Oil and Grease	ND mg/L		5.0	1		01/15/08 09:21		
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	10 mg/L		5.0	1		01/16/08 15:35		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	7.6 Std. Units		0.10	1		01/12/08 14:45		H6
5210B BOD, 5 day		Analytical Method: SM 5210B Preparation Method: SM 5210B						
BOD, 5 day	2.2 mg/L		2.0	1	01/12/08 14:32	01/17/08 16:23		
4500CNE Cyanide, Total		Analytical Method: SM 4500-CN-E						
Cyanide	ND mg/L		0.0050	1		01/16/08 13:53	57-12-5	

ANALYTICAL RESULTS

Project: Diaz Intermediate

Pace Project No.: 6033909

Sample: TRIP BLANK		Lab ID: 6033909007	Collected: 01/10/08 00:00	Received: 01/12/08 08:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260						
Acetone	ND ug/L		10.0	1		01/15/08 05:53	67-64-1	
Benzene	ND ug/L		1.0	1		01/15/08 05:53	71-43-2	
Bromobenzene	ND ug/L		1.0	1		01/15/08 05:53	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		01/15/08 05:53	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		01/15/08 05:53	75-27-4	
Bromoform	ND ug/L		1.0	1		01/15/08 05:53	75-25-2	
Bromomethane	ND ug/L		1.0	1		01/15/08 05:53	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		01/15/08 05:53	78-93-3	
n-Butylbenzene	ND ug/L		1.0	1		01/15/08 05:53	104-51-8	
sec-Butylbenzene	ND ug/L		1.0	1		01/15/08 05:53	135-98-8	
tert-Butylbenzene	ND ug/L		1.0	1		01/15/08 05:53	98-06-6	
Carbon disulfide	ND ug/L		5.0	1		01/15/08 05:53	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		01/15/08 05:53	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		01/15/08 05:53	108-90-7	
Chloroethane	ND ug/L		1.0	1		01/15/08 05:53	75-00-3	
Chloroform	ND ug/L		1.0	1		01/15/08 05:53	67-66-3	
Chloromethane	ND ug/L		1.0	1		01/15/08 05:53	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		01/15/08 05:53	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		01/15/08 05:53	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		2.5	1		01/15/08 05:53	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		01/15/08 05:53	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		01/15/08 05:53	106-93-4	
Dibromomethane	ND ug/L		1.0	1		01/15/08 05:53	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		01/15/08 05:53	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		01/15/08 05:53	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		01/15/08 05:53	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		01/15/08 05:53	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		01/15/08 05:53	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		01/15/08 05:53	107-06-2	
1,2-Dichloroethene (Total)	ND ug/L		1.0	1		01/15/08 05:53	540-59-0	
1,1-Dichloroethene	ND ug/L		1.0	1		01/15/08 05:53	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		01/15/08 05:53	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		01/15/08 05:53	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		01/15/08 05:53	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		01/15/08 05:53	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		01/15/08 05:53	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		01/15/08 05:53	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		01/15/08 05:53	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		01/15/08 05:53	10061-02-6	
Ethylbenzene	ND ug/L		1.0	1		01/15/08 05:53	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		01/15/08 05:53	87-68-3	
2-Hexanone	ND ug/L		10.0	1		01/15/08 05:53	591-78-6	
Isopropylbenzene (Cumene)	ND ug/L		1.0	1		01/15/08 05:53	98-82-8	
p-Isopropyltoluene	ND ug/L		1.0	1		01/15/08 05:53	99-87-6	
Methylene chloride	5.5 ug/L		1.0	1		01/15/08 05:53	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		01/15/08 05:53	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		01/15/08 05:53	1634-04-4	

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ANALYTICAL RESULTS

Project: Diaz Intermediate

Pace Project No.: 6033909

Sample: TRIP BLANK		Lab ID: 6033909007	Collected: 01/10/08 00:00	Received: 01/12/08 08:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260						
Naphthalene	ND ug/L		10.0	1		01/15/08 05:53	91-20-3	
n-Propylbenzene	ND ug/L		1.0	1		01/15/08 05:53	103-65-1	
Styrene	ND ug/L		1.0	1		01/15/08 05:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		01/15/08 05:53	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		01/15/08 05:53	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		01/15/08 05:53	127-18-4	
Toluene	ND ug/L		1.0	1		01/15/08 05:53	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		01/15/08 05:53	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		01/15/08 05:53	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		01/15/08 05:53	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		01/15/08 05:53	79-00-5	
Trichloroethene	ND ug/L		1.0	1		01/15/08 05:53	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		01/15/08 05:53	75-69-4	
1,2,3-Trichloropropane	ND ug/L		2.5	1		01/15/08 05:53	96-18-4	
1,2,4-Trimethylbenzene	ND ug/L		1.0	1		01/15/08 05:53	95-63-6	
1,3,5-Trimethylbenzene	ND ug/L		1.0	1		01/15/08 05:53	108-67-8	
Vinyl chloride	ND ug/L		1.0	1		01/15/08 05:53	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		01/15/08 05:53	1330-20-7	
4-Bromofluorobenzene (S)	106 %		78-122	1		01/15/08 05:53	460-00-4	
Dibromofluoromethane (S)	100 %		76-128	1		01/15/08 05:53	1868-53-7	
1,2-Dichloroethane-d4 (S)	102 %		82-134	1		01/15/08 05:53	17060-07-0	
Toluene-d8 (S)	95 %		83-109	1		01/15/08 05:53	2037-26-5	
Preservation pH	1.0		0.10	1		01/15/08 05:53		

QUALITY CONTROL DATA

Project: Diaz Intermediate

Pace Project No.: 6033909

QC Batch:	WET/10681	Analysis Method:	SM 4500-H+B
QC Batch Method:	SM 4500-H+B	Analysis Description:	4500H+B pH
Associated Lab Samples:	6033909001, 6033909002, 6033909003, 6033909004, 6033909005, 6033909006		

SAMPLE DUPLICATE: 274125

Parameter	Units	6033900002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.3	7.4	1	5	H6

QUALITY CONTROL DATA

Project: Diaz Intermediate

Pace Project No.: 6033909

QC Batch: WET/10684

Analysis Method: SM 5210B

QC Batch Method: SM 5210B

Analysis Description: 5210B BOD, 5 day

Associated Lab Samples: 6033909001, 6033909002, 6033909003, 6033909004, 6033909005, 6033909006

METHOD BLANK: 274135

Associated Lab Samples: 6033909001, 6033909002, 6033909003, 6033909004, 6033909005, 6033909006

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
BOD, 5 day	mg/L	ND	2.0	

LABORATORY CONTROL SAMPLE: 274136

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	171	86	85-115	

SAMPLE DUPLICATE: 274137

Parameter	Units	6033908001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	2690	2290	16	17	

QUALITY CONTROL DATA

Project: Diaz Intermediate

Pace Project No.: 6033909

QC Batch: WET/10696

Analysis Method: SM 2540D

QC Batch Method: SM 2540D

Analysis Description: 2540D Total Suspended Solids

Associated Lab Samples: 6033909001, 6033909002, 6033909003, 6033909004

METHOD BLANK: 274655

Associated Lab Samples: 6033909001, 6033909002, 6033909003, 6033909004

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	

SAMPLE DUPLICATE: 274656

Parameter	Units	6033840002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	107	100	6	5	R1

SAMPLE DUPLICATE: 274657

Parameter	Units	6033849003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	42.0	47.0	11	5	R1

QUALITY CONTROL DATA

Project: Diaz Intermediate

Pace Project No.: 6033909

QC Batch:	MSV/12510	Analysis Method:	EPA 5030B/8260
QC Batch Method:	EPA 5030B/8260	Analysis Description:	8260 MSV Water 10 mL Purge
Associated Lab Samples:	6033909002, 6033909004, 6033909006, 6033909007		

METHOD BLANK: 274730

Associated Lab Samples: 6033909002, 6033909004, 6033909006, 6033909007

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	
1,1,1-Trichloroethane	ug/L	ND	1.0	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	
1,1,2-Trichloroethane	ug/L	ND	1.0	
1,1-Dichloroethane	ug/L	ND	1.0	
1,1-Dichloroethene	ug/L	ND	1.0	
1,1-Dichloropropene	ug/L	ND	1.0	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	
1,2,3-Trichloropropane	ug/L	ND	2.5	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.5	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	
1,2-Dichlorobenzene	ug/L	ND	1.0	
1,2-Dichloroethane	ug/L	ND	1.0	
1,2-Dichloroethene (Total)	ug/L	ND	1.0	
1,2-Dichloropropane	ug/L	ND	1.0	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	
1,3-Dichlorobenzene	ug/L	ND	1.0	
1,3-Dichloropropane	ug/L	ND	1.0	
1,4-Dichlorobenzene	ug/L	ND	1.0	
2,2-Dichloropropane	ug/L	ND	1.0	
2-Butanone (MEK)	ug/L	ND	10.0	
2-Chlorotoluene	ug/L	ND	1.0	
2-Hexanone	ug/L	ND	10.0	
4-Chlorotoluene	ug/L	ND	1.0	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	
Acetone	ug/L	ND	10.0	
Benzene	ug/L	ND	1.0	
Bromobenzene	ug/L	ND	1.0	
Bromochloromethane	ug/L	ND	1.0	
Bromodichloromethane	ug/L	ND	1.0	
Bromoform	ug/L	ND	1.0	
Bromomethane	ug/L	ND	1.0	
Carbon disulfide	ug/L	ND	5.0	
Carbon tetrachloride	ug/L	ND	1.0	
Chlorobenzene	ug/L	ND	1.0	
Chloroethane	ug/L	ND	1.0	
Chloroform	ug/L	ND	1.0	
Chloromethane	ug/L	ND	1.0	
cis-1,2-Dichloroethene	ug/L	ND	1.0	
cis-1,3-Dichloropropene	ug/L	ND	1.0	
Dibromochloromethane	ug/L	ND	1.0	

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QUALITY CONTROL DATA

Project: Diaz Intermediate

Pace Project No.: 6033909

METHOD BLANK: 274730

Associated Lab Samples: 6033909002, 6033909004, 6033909006, 6033909007

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Dibromomethane	ug/L	ND	1.0	
Dichlorodifluoromethane	ug/L	ND	1.0	
Ethylbenzene	ug/L	ND	1.0	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	
Methyl-tert-butyl ether	ug/L	ND	1.0	
Methylene chloride	ug/L	ND	1.0	
n-Butylbenzene	ug/L	ND	1.0	
n-Propylbenzene	ug/L	ND	1.0	
Naphthalene	ug/L	ND	10.0	
p-Isopropyltoluene	ug/L	ND	1.0	
sec-Butylbenzene	ug/L	ND	1.0	
Styrene	ug/L	ND	1.0	
tert-Butylbenzene	ug/L	ND	1.0	
Tetrachloroethene	ug/L	ND	1.0	
Toluene	ug/L	ND	1.0	
trans-1,2-Dichloroethene	ug/L	ND	1.0	
trans-1,3-Dichloropropene	ug/L	ND	1.0	
Trichloroethene	ug/L	ND	1.0	
Trichlorofluoromethane	ug/L	ND	1.0	
Vinyl chloride	ug/L	ND	1.0	
Xylene (Total)	ug/L	ND	3.0	
1,2-Dichloroethane-d4 (S)	%	97	82-134	
4-Bromofluorobenzene (S)	%	107	78-122	
Dibromofluoromethane (S)	%	96	76-128	
Toluene-d8 (S)	%	98	83-109	

LABORATORY CONTROL SAMPLE: 274731

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	10	9.9	99	86-118	
1,1,1-Trichloroethane	ug/L	10	9.8	98	83-127	
1,1,2,2-Tetrachloroethane	ug/L	10	10	100	64-133	
1,1,2-Trichloroethane	ug/L	10	10.9	109	76-132	
1,1-Dichloroethane	ug/L	10	10.6	106	86-126	
1,1-Dichloroethene	ug/L	10	10.1	101	80-145	
1,1-Dichloropropene	ug/L	10	10.2	102	85-128	
1,2,3-Trichlorobenzene	ug/L	10	10.2	102	60-144	
1,2,3-Trichloropropane	ug/L	10	10.8	108	54-124	
1,2,4-Trichlorobenzene	ug/L	10	10.3	103	74-130	
1,2,4-Trimethylbenzene	ug/L	10	10	100	80-130	
1,2-Dibromo-3-chloropropane	ug/L	10	9.7	97	53-143	
1,2-Dibromoethane (EDB)	ug/L	10	10.1	101	77-121	
1,2-Dichlorobenzene	ug/L	10	10.3	103	80-125	
1,2-Dichloroethane	ug/L	10	10.4	104	80-130	

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QUALITY CONTROL DATA

Project: Diaz Intermediate

Pace Project No.: 6033909

LABORATORY CONTROL SAMPLE: 274731

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethene (Total)	ug/L	20	20.6	103	89-126	
1,2-Dichloropropane	ug/L	10	9.8	98	78-126	
1,3,5-Trimethylbenzene	ug/L	10	9.8	98	83-126	
1,3-Dichlorobenzene	ug/L	10	10.1	101	80-123	
1,3-Dichloropropane	ug/L	10	10.5	105	83-125	
1,4-Dichlorobenzene	ug/L	10	10.1	101	81-121	
2,2-Dichloropropane	ug/L	10	8.5	85	49-154	
2-Butanone (MEK)	ug/L	20	22.1	111	32-150	
2-Chlorotoluene	ug/L	10	9.9	99	86-123	
2-Hexanone	ug/L	20	21.0	105	35-150	
4-Chlorotoluene	ug/L	10	9.6	96	82-124	
4-Methyl-2-pentanone (MIBK)	ug/L	20	17.4	87	54-140	
Acetone	ug/L	20	21.3	106	18-170	
Benzene	ug/L	10	10.1	101	78-123	
Bromobenzene	ug/L	10	10.6	106	83-122	
Bromochloromethane	ug/L	10	10.9	109	82-127	
Bromodichloromethane	ug/L	10	9.1	91	81-132	
Bromoform	ug/L	10	8.6	86	61-131	
Bromomethane	ug/L	10	15.9	159	58-136	L3
Carbon disulfide	ug/L	20	14.4	72	58-114	
Carbon tetrachloride	ug/L	10	8.9	89	83-130	
Chlorobenzene	ug/L	10	10.3	103	89-117	
Chloroethane	ug/L	10	10.3	103	75-119	
Chloroform	ug/L	10	10.1	101	84-124	
Chloromethane	ug/L	10	8.2	82	50-117	
cis-1,2-Dichloroethene	ug/L	10	10.3	103	89-121	
cis-1,3-Dichloropropene	ug/L	10	11.3	113	78-132	
Dibromochloromethane	ug/L	10	9.1	91	83-128	
Dibromomethane	ug/L	10	9.6	96	78-133	
Dichlorodifluoromethane	ug/L	10	6.7	67	12-134	
Ethylbenzene	ug/L	10	10.6	106	76-122	
Hexachloro-1,3-butadiene	ug/L	10	10.4	104	73-146	
Isopropylbenzene (Cumene)	ug/L	10	8.2	82	75-120	
Methyl-tert-butyl ether	ug/L	10	9.9	99	67-130	
Methylene chloride	ug/L	10	10.9	109	74-142	
n-Butylbenzene	ug/L	10	9.9	99	75-135	
n-Propylbenzene	ug/L	10	9.8	98	83-126	
Naphthalene	ug/L	10	11.4	114	68-133	
p-Isopropyltoluene	ug/L	10	10.1	101	78-125	
sec-Butylbenzene	ug/L	10	9.9	99	76-131	
Styrene	ug/L	10	10.1	101	84-129	
tert-Butylbenzene	ug/L	10	9.6	96	77-132	
Tetrachloroethene	ug/L	10	10.3	103	74-134	
Toluene	ug/L	10	9.5	95	79-120	
trans-1,2-Dichloroethene	ug/L	10	10.3	103	84-136	
trans-1,3-Dichloropropene	ug/L	10	9.5	95	77-133	
Trichloroethene	ug/L	10	9.5	95	80-129	
Trichlorofluoromethane	ug/L	10	8.5	85	69-139	

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QUALITY CONTROL DATA

Project: Diaz Intermediate

Pace Project No.: 6033909

LABORATORY CONTROL SAMPLE: 274731

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Vinyl chloride	ug/L	10	8.9	89	59-120	
Xylene (Total)	ug/L	30	30.3	101	78-125	
1,2-Dichloroethane-d4 (S)	%			99	82-134	
4-Bromofluorobenzene (S)	%			101	78-122	
Dibromofluoromethane (S)	%			99	76-128	
Toluene-d8 (S)	%			95	83-109	

QUALITY CONTROL DATA

Project: Diaz Intermediate

Pace Project No.: 6033909

QC Batch: MPRP/5488

Analysis Method: EPA 6010

QC Batch Method: EPA 3010

Analysis Description: 6010 MET

Associated Lab Samples: 6033909001, 6033909002, 6033909003, 6033909004, 6033909005, 6033909006

METHOD BLANK: 274732

Associated Lab Samples: 6033909001, 6033909002, 6033909003, 6033909004, 6033909005, 6033909006

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Chromium	ug/L	ND	5.0	
Copper	ug/L	ND	10.0	
Lead	ug/L	ND	5.0	
Nickel	ug/L	ND	5.0	
Zinc	ug/L	ND	50.0	

LABORATORY CONTROL SAMPLE: 274733

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium	ug/L	1000	965	97	80-120	
Copper	ug/L	1000	991	99	80-120	
Lead	ug/L	1000	1010	101	80-120	
Nickel	ug/L	1000	994	99	80-120	
Zinc	ug/L	1000	976	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 274734

274735

Parameter	Units	6033909001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chromium	ug/L	33.3	1000	1000	969	996	94	96	75-125	3	7	
Copper	ug/L	48.9	1000	1000	1050	1080	100	103	75-125	3	7	
Lead	ug/L	15.4	1000	1000	1010	1040	100	102	75-125	3	8	
Nickel	ug/L	399	1000	1000	1360	1400	96	100	75-125	3	7	
Zinc	ug/L	21500	1000	1000	21900	22900	40	138	75-125	4	8 MO	

QUALITY CONTROL DATA

Project: Diaz Intermediate

Pace Project No.: 6033909

QC Batch: WET/10698

Analysis Method: EPA 1664A

QC Batch Method: EPA 1664A

Analysis Description: 1664 HEM, Oil and Grease

Associated Lab Samples: 6033909001, 6033909002, 6033909003, 6033909004, 6033909005, 6033909006

METHOD BLANK: 274833

Associated Lab Samples: 6033909001, 6033909002, 6033909003, 6033909004, 6033909005, 6033909006

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Oil and Grease	mg/L	ND	5.0	

LABORATORY CONTROL SAMPLE: 274834

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	42.5	106	78-114	

MATRIX SPIKE SAMPLE: 274836

Parameter	Units	5010679004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	42.6	39.7	93	78-114	

SAMPLE DUPLICATE: 274835

Parameter	Units	6033962001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	28.4	24.5	15	18	

QUALITY CONTROL DATA

Project: Diaz Intermediate

Pace Project No.: 6033909

QC Batch: MSV/12518

Analysis Method: EPA 5030B/8260

QC Batch Method: EPA 5030B/8260

Analysis Description: 8260 MSV Water 10 mL Purge

Associated Lab Samples: 6033909003, 6033909005

METHOD BLANK: 275004

Associated Lab Samples: 6033909003, 6033909005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	
1,1,1-Trichloroethane	ug/L	ND	1.0	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	
1,1,2-Trichloroethane	ug/L	ND	1.0	
1,1-Dichloroethane	ug/L	ND	1.0	
1,1-Dichloroethene	ug/L	ND	1.0	
1,1-Dichloropropene	ug/L	ND	1.0	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	
1,2,3-Trichloropropane	ug/L	ND	2.5	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.5	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	
1,2-Dichlorobenzene	ug/L	ND	1.0	
1,2-Dichloroethane	ug/L	ND	1.0	
1,2-Dichloroethene (Total)	ug/L	ND	1.0	
1,2-Dichloropropane	ug/L	ND	1.0	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	
1,3-Dichlorobenzene	ug/L	ND	1.0	
1,3-Dichloropropane	ug/L	ND	1.0	
1,4-Dichlorobenzene	ug/L	ND	1.0	
2,2-Dichloropropane	ug/L	ND	1.0	
2-Butanone (MEK)	ug/L	ND	10.0	
2-Chlorotoluene	ug/L	ND	1.0	
2-Hexanone	ug/L	ND	10.0	
4-Chlorotoluene	ug/L	ND	1.0	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	
Acetone	ug/L	ND	10.0	
Benzene	ug/L	ND	1.0	
Bromobenzene	ug/L	ND	1.0	
Bromochloromethane	ug/L	ND	1.0	
Bromodichloromethane	ug/L	ND	1.0	
Bromoform	ug/L	ND	1.0	
Bromomethane	ug/L	ND	1.0	
Carbon disulfide	ug/L	ND	5.0	
Carbon tetrachloride	ug/L	ND	1.0	
Chlorobenzene	ug/L	ND	1.0	
Chloroethane	ug/L	ND	1.0	
Chloroform	ug/L	ND	1.0	
Chloromethane	ug/L	ND	1.0	
cis-1,2-Dichloroethene	ug/L	ND	1.0	
cis-1,3-Dichloropropene	ug/L	ND	1.0	
Dibromochloromethane	ug/L	ND	1.0	

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QUALITY CONTROL DATA

Project: Diaz Intermediate

Pace Project No.: 6033909

METHOD BLANK: 275004

Associated Lab Samples: 6033909003, 6033909005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Dibromomethane	ug/L	ND	1.0	
Dichlorodifluoromethane	ug/L	ND	1.0	
Ethylbenzene	ug/L	ND	1.0	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	
Methyl-tert-butyl ether	ug/L	ND	1.0	
Methylene chloride	ug/L	ND	1.0	
n-Butylbenzene	ug/L	ND	1.0	
n-Propylbenzene	ug/L	ND	1.0	
Naphthalene	ug/L	ND	10.0	
p-Isopropyltoluene	ug/L	ND	1.0	
sec-Butylbenzene	ug/L	ND	1.0	
Styrene	ug/L	ND	1.0	
tert-Butylbenzene	ug/L	ND	1.0	
Tetrachloroethene	ug/L	ND	1.0	
Toluene	ug/L	ND	1.0	
trans-1,2-Dichloroethene	ug/L	ND	1.0	
trans-1,3-Dichloropropene	ug/L	ND	1.0	
Trichloroethene	ug/L	ND	1.0	
Trichlorofluoromethane	ug/L	ND	1.0	
Vinyl chloride	ug/L	ND	1.0	
Xylene (Total)	ug/L	ND	3.0	
1,2-Dichloroethane-d4 (S)	%	101	82-134	
4-Bromofluorobenzene (S)	%	106	78-122	
Dibromofluoromethane (S)	%	99	76-128	
Toluene-d8 (S)	%	93	83-109	

LABORATORY CONTROL SAMPLE: 275005

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	10	9.9	99	86-118	
1,1,1-Trichloroethane	ug/L	10	9.8	98	83-127	
1,1,2,2-Tetrachloroethane	ug/L	10	10.5	105	64-133	
1,1,2-Trichloroethane	ug/L	10	10.3	103	76-132	
1,1-Dichloroethane	ug/L	10	10.8	108	86-126	
1,1-Dichloroethene	ug/L	10	10.8	108	80-145	
1,1-Dichloropropene	ug/L	10	10.5	105	85-128	
1,2,3-Trichlorobenzene	ug/L	10	9.8	98	60-144	
1,2,3-Trichloropropane	ug/L	10	9.7	97	54-124	
1,2,4-Trichlorobenzene	ug/L	10	10.2	102	74-130	
1,2,4-Trimethylbenzene	ug/L	10	9.5	95	80-130	
1,2-Dibromo-3-chloropropane	ug/L	10	9.4	94	53-143	
1,2-Dibromoethane (EDB)	ug/L	10	9.7	97	77-121	
1,2-Dichlorobenzene	ug/L	10	10.2	102	80-125	
1,2-Dichloroethane	ug/L	10	10.3	103	80-130	

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QUALITY CONTROL DATA

Project: Diaz Intermediate

Pace Project No.: 6033909

LABORATORY CONTROL SAMPLE: 275005

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethene (Total)	ug/L	20	20.9	105	89-126	
1,2-Dichloropropane	ug/L	10	9.2	92	78-126	
1,3,5-Trimethylbenzene	ug/L	10	9.7	97	83-126	
1,3-Dichlorobenzene	ug/L	10	9.8	98	80-123	
1,3-Dichloropropane	ug/L	10	10.5	105	83-125	
1,4-Dichlorobenzene	ug/L	10	9.9	99	81-121	
2,2-Dichloropropane	ug/L	10	9.6	96	49-154	
2-Butanone (MEK)	ug/L	20	22.3	112	32-150	
2-Chlorotoluene	ug/L	10	9.5	95	86-123	
2-Hexanone	ug/L	20	19.5	97	35-150	
4-Chlorotoluene	ug/L	10	9.6	96	82-124	
4-Methyl-2-pentanone (MIBK)	ug/L	20	16.2	81	54-140	
Acetone	ug/L	20	19.4	97	18-170	
Benzene	ug/L	10	9.7	97	78-123	
Bromobenzene	ug/L	10	10.2	102	83-122	
Bromochloromethane	ug/L	10	10.9	109	82-127	
Bromodichloromethane	ug/L	10	9.3	93	81-132	
Bromoform	ug/L	10	8.5	85	61-131	
Bromomethane	ug/L	10	12.5	125	58-136	
Carbon disulfide	ug/L	20	15.1	76	58-114	
Carbon tetrachloride	ug/L	10	9.7	97	83-130	
Chlorobenzene	ug/L	10	9.9	99	89-117	
Chloroethane	ug/L	10	12.1	121	75-119	L3
Chloroform	ug/L	10	10.2	102	84-124	
Chloromethane	ug/L	10	8.3	83	50-117	
cis-1,2-Dichloroethene	ug/L	10	10.3	103	89-121	
cis-1,3-Dichloropropene	ug/L	10	11.1	111	78-132	
Dibromochloromethane	ug/L	10	9.9	99	83-128	
Dibromomethane	ug/L	10	9.5	95	78-133	
Dichlorodifluoromethane	ug/L	10	6.4	64	12-134	
Ethylbenzene	ug/L	10	10.0	100	76-122	
Hexachloro-1,3-butadiene	ug/L	10	11.7	117	73-146	
Isopropylbenzene (Cumene)	ug/L	10	8.6	86	75-120	
Methyl-tert-butyl ether	ug/L	10	9.1	91	67-130	
Methylene chloride	ug/L	10	11.1	111	74-142	
n-Butylbenzene	ug/L	10	10	100	75-135	
n-Propylbenzene	ug/L	10	10.2	102	83-126	
Naphthalene	ug/L	10	10.1	101	68-133	
p-Isopropyltoluene	ug/L	10	9.9	99	78-125	
sec-Butylbenzene	ug/L	10	10.2	102	76-131	
Styrene	ug/L	10	9.7	97	84-129	
tert-Butylbenzene	ug/L	10	9.6	96	77-132	
Tetrachloroethene	ug/L	10	10.7	107	74-134	
Toluene	ug/L	10	9.3	93	79-120	
trans-1,2-Dichloroethene	ug/L	10	10.6	106	84-136	
trans-1,3-Dichloropropene	ug/L	10	9.0	90	77-133	
Trichloroethene	ug/L	10	9.4	94	80-129	
Trichlorofluoromethane	ug/L	10	9.1	91	69-139	

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QUALITY CONTROL DATA

Project: Diaz Intermediate

Pace Project No.: 6033909

LABORATORY CONTROL SAMPLE: 275005

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Vinyl chloride	ug/L	10	9.3	93	59-120	
Xylene (Total)	ug/L	30	29.1	97	78-125	
1,2-Dichloroethane-d4 (S)	%			99	82-134	
4-Bromofluorobenzene (S)	%			98	78-122	
Dibromofluoromethane (S)	%			101	76-128	
Toluene-d8 (S)	%			97	83-109	

QUALITY CONTROL DATA

Project: Diaz Intermediate

Pace Project No.: 6033909

QC Batch: WETA/6129

Analysis Method: SM 4500-CN-E

QC Batch Method: SM 4500-CN-E

Analysis Description: 4500CNE Cyanide, Total

Associated Lab Samples: 6033909001, 6033909002, 6033909003, 6033909004, 6033909005, 6033909006

METHOD BLANK: 275585

Associated Lab Samples: 6033909001, 6033909002, 6033909003, 6033909004, 6033909005, 6033909006

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Cyanide	mg/L	ND	0.0050	

LABORATORY CONTROL SAMPLE: 275586

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	.1	0.10	100	73-124	

SAMPLE DUPLICATE: 275587

Parameter	Units	6033769002 Result	Dup Result	RPD	Max RPD	Qualifiers
Cyanide	mg/L	0.013	0.011	13	31	

QUALITY CONTROL DATA

Project: Diaz Intermediate

Pace Project No.: 6033909

QC Batch: WET/10711

Analysis Method: SM 2540D

QC Batch Method: SM 2540D

Analysis Description: 2540D Total Suspended Solids

Associated Lab Samples: 6033909005, 6033909006

METHOD BLANK: 275621

Associated Lab Samples: 6033909005, 6033909006

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	

SAMPLE DUPLICATE: 275622

Parameter	Units	6033913001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	300	302	1	5	

SAMPLE DUPLICATE: 275623

Parameter	Units	6034023002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	206	202	2	5	

QUALITY CONTROL DATA

Project: Diaz Intermediate

Pace Project No.: 6033909

QC Batch: MSV/12549

Analysis Method: EPA 5030B/8260

QC Batch Method: EPA 5030B/8260

Analysis Description: 8260 MSV Water 10 mL Purge

Associated Lab Samples: 6033909001

METHOD BLANK: 276072

Associated Lab Samples: 6033909001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	
1,1,1-Trichloroethane	ug/L	ND	1.0	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	
1,1,2-Trichloroethane	ug/L	ND	1.0	
1,1-Dichloroethane	ug/L	ND	1.0	
1,1-Dichloroethene	ug/L	ND	1.0	
1,1-Dichloropropene	ug/L	ND	1.0	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	
1,2,3-Trichloropropane	ug/L	ND	2.5	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.5	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	
1,2-Dichlorobenzene	ug/L	ND	1.0	
1,2-Dichloroethane	ug/L	ND	1.0	
1,2-Dichloroethene (Total)	ug/L	ND	1.0	
1,2-Dichloropropane	ug/L	ND	1.0	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	
1,3-Dichlorobenzene	ug/L	ND	1.0	
1,3-Dichloropropane	ug/L	ND	1.0	
1,4-Dichlorobenzene	ug/L	ND	1.0	
2,2-Dichloropropane	ug/L	ND	1.0	
2-Butanone (MEK)	ug/L	ND	10.0	
2-Chlorotoluene	ug/L	ND	1.0	
2-Hexanone	ug/L	ND	10.0	
4-Chlorotoluene	ug/L	ND	1.0	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	
Acetone	ug/L	ND	10.0	
Benzene	ug/L	ND	1.0	
Bromobenzene	ug/L	ND	1.0	
Bromochloromethane	ug/L	ND	1.0	
Bromodichloromethane	ug/L	ND	1.0	
Bromoform	ug/L	ND	1.0	
Bromomethane	ug/L	ND	1.0	
Carbon disulfide	ug/L	ND	5.0	
Carbon tetrachloride	ug/L	ND	1.0	
Chlorobenzene	ug/L	ND	1.0	
Chloroethane	ug/L	ND	1.0	
Chloroform	ug/L	ND	1.0	
Chloromethane	ug/L	ND	1.0	
cis-1,2-Dichloroethene	ug/L	ND	1.0	
cis-1,3-Dichloropropene	ug/L	ND	1.0	
Dibromochloromethane	ug/L	ND	1.0	

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QUALITY CONTROL DATA

Project: Diaz Intermediate

Pace Project No.: 6033909

METHOD BLANK: 276072

Associated Lab Samples: 6033909001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Dibromomethane	ug/L	ND	1.0	
Dichlorodifluoromethane	ug/L	ND	1.0	
Ethylbenzene	ug/L	ND	1.0	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	
Methyl-tert-butyl ether	ug/L	ND	1.0	
Methylene chloride	ug/L	ND	1.0	
n-Butylbenzene	ug/L	ND	1.0	
n-Propylbenzene	ug/L	ND	1.0	
Naphthalene	ug/L	ND	10.0	
p-Isopropyltoluene	ug/L	ND	1.0	
sec-Butylbenzene	ug/L	ND	1.0	
Styrene	ug/L	ND	1.0	
tert-Butylbenzene	ug/L	ND	1.0	
Tetrachloroethene	ug/L	ND	1.0	
Toluene	ug/L	ND	1.0	
trans-1,2-Dichloroethene	ug/L	ND	1.0	
trans-1,3-Dichloropropene	ug/L	ND	1.0	
Trichloroethene	ug/L	ND	1.0	
Trichlorofluoromethane	ug/L	ND	1.0	
Vinyl chloride	ug/L	ND	1.0	
Xylene (Total)	ug/L	ND	3.0	
1,2-Dichloroethane-d4 (S)	%	97	82-134	
4-Bromofluorobenzene (S)	%	107	78-122	
Dibromofluoromethane (S)	%	96	76-128	
Toluene-d8 (S)	%	98	83-109	

LABORATORY CONTROL SAMPLE: 276073

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	10	9.9	99	86-118	
1,1,1-Trichloroethane	ug/L	10	9.8	98	83-127	
1,1,2,2-Tetrachloroethane	ug/L	10	10	100	64-133	
1,1,2-Trichloroethane	ug/L	10	10.9	109	76-132	
1,1-Dichloroethane	ug/L	10	10.6	106	86-126	
1,1-Dichloroethene	ug/L	10	10.1	101	80-145	
1,1-Dichloropropene	ug/L	10	10.2	102	85-128	
1,2,3-Trichlorobenzene	ug/L	10	10.2	102	60-144	
1,2,3-Trichloropropane	ug/L	10	10.8	108	54-124	
1,2,4-Trichlorobenzene	ug/L	10	10.3	103	74-130	
1,2,4-Trimethylbenzene	ug/L	10	10	100	80-130	
1,2-Dibromo-3-chloropropane	ug/L	10	9.7	97	53-143	
1,2-Dibromoethane (EDB)	ug/L	10	10.1	101	77-121	
1,2-Dichlorobenzene	ug/L	10	10.3	103	80-125	
1,2-Dichloroethane	ug/L	10	10.4	104	80-130	

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QUALITY CONTROL DATA

Project: Diaz Intermediate

Pace Project No.: 6033909

LABORATORY CONTROL SAMPLE: 276073

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethene (Total)	ug/L	20	20.6	103	89-126	
1,2-Dichloropropane	ug/L	10	9.8	98	78-126	
1,3,5-Trimethylbenzene	ug/L	10	9.8	98	83-126	
1,3-Dichlorobenzene	ug/L	10	10.1	101	80-123	
1,3-Dichloropropane	ug/L	10	10.5	105	83-125	
1,4-Dichlorobenzene	ug/L	10	10.1	101	81-121	
2,2-Dichloropropane	ug/L	10	8.5	85	49-154	
2-Butanone (MEK)	ug/L	20	22.1	111	32-150	
2-Chlorotoluene	ug/L	10	9.9	99	86-123	
2-Hexanone	ug/L	20	21.0	105	35-150	
4-Chlorotoluene	ug/L	10	9.6	96	82-124	
4-Methyl-2-pentanone (MIBK)	ug/L	20	17.4	87	54-140	
Acetone	ug/L	20	21.3	106	18-170	
Benzene	ug/L	10	10.1	101	78-123	
Bromobenzene	ug/L	10	10.6	106	83-122	
Bromochloromethane	ug/L	10	10.9	109	82-127	
Bromodichloromethane	ug/L	10	9.1	91	81-132	
Bromoform	ug/L	10	8.6	86	61-131	
Bromomethane	ug/L	10	15.9	159	58-136	L3
Carbon disulfide	ug/L	20	14.4	72	58-114	
Carbon tetrachloride	ug/L	10	8.9	89	83-130	
Chlorobenzene	ug/L	10	10.3	103	89-117	
Chloroethane	ug/L	10	10.3	103	75-119	
Chloroform	ug/L	10	10.1	101	84-124	
Chloromethane	ug/L	10	8.2	82	50-117	
cis-1,2-Dichloroethene	ug/L	10	10.3	103	89-121	
cis-1,3-Dichloropropene	ug/L	10	11.3	113	78-132	
Dibromochloromethane	ug/L	10	9.1	91	83-128	
Dibromomethane	ug/L	10	9.6	96	78-133	
Dichlorodifluoromethane	ug/L	10	6.7	67	12-134	
Ethylbenzene	ug/L	10	10.6	106	76-122	
Hexachloro-1,3-butadiene	ug/L	10	10.4	104	73-146	
Isopropylbenzene (Cumene)	ug/L	10	8.2	82	75-120	
Methyl-tert-butyl ether	ug/L	10	9.9	99	67-130	
Methylene chloride	ug/L	10	10.9	109	74-142	
n-Butylbenzene	ug/L	10	9.9	99	75-135	
n-Propylbenzene	ug/L	10	9.8	98	83-126	
Naphthalene	ug/L	10	11.4	114	68-133	
p-Isopropyltoluene	ug/L	10	10.1	101	78-125	
sec-Butylbenzene	ug/L	10	9.9	99	76-131	
Styrene	ug/L	10	10.1	101	84-129	
tert-Butylbenzene	ug/L	10	9.6	96	77-132	
Tetrachloroethene	ug/L	10	10.3	103	74-134	
Toluene	ug/L	10	9.5	95	79-120	
trans-1,2-Dichloroethene	ug/L	10	10.3	103	84-136	
trans-1,3-Dichloropropene	ug/L	10	9.5	95	77-133	
Trichloroethene	ug/L	10	9.5	95	80-129	
Trichlorofluoromethane	ug/L	10	8.5	85	69-139	

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QUALITY CONTROL DATA

Project: Diaz Intermediate

Pace Project No.: 6033909

LABORATORY CONTROL SAMPLE: 276073

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Vinyl chloride	ug/L	10	8.9	89	59-120	
Xylene (Total)	ug/L	30	30.3	101	78-125	
1,2-Dichloroethane-d4 (S)	%			99	82-134	
4-Bromofluorobenzene (S)	%			101	78-122	
Dibromofluoromethane (S)	%			99	76-128	
Toluene-d8 (S)	%			95	83-109	

QUALIFIERS

Project: Diaz Intermediate

Pace Project No.: 6033909

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

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LABORATORIES

PASI-K Pace Analytical Services - Kansas City

BATCH QUALIFIERS

Batch: MSV/12510

[1] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: MSV/12518

[1] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: MSV/12549

[1] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

1e Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis). Sample appears to have elevated concentrations of 4-Bromofluorobenzene (laboratory surrogate).

C9 Common Laboratory Contaminant.

H6 Analysis initiated more than 15 minutes after sample collection.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

M0 Matrix spike recovery was outside laboratory control limits.

R1 RPD value was outside control limits.

S2 Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis).

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Diaz Intermediate
Pace Project No.: 6033909

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6033909001	DIC-SW01	SM 4500-H+B	WET/10681		
6033909002	DIC-SW02	SM 4500-H+B	WET/10681		
6033909003	DIC-SW03	SM 4500-H+B	WET/10681		
6033909004	DIC-SW04	SM 4500-H+B	WET/10681		
6033909005	DIC-SW05	SM 4500-H+B	WET/10681		
6033909006	DIC-SW06	SM 4500-H+B	WET/10681		
6033909001	DIC-SW01	SM 5210B	WET/10684	SM 5210B	WET/10689
6033909002	DIC-SW02	SM 5210B	WET/10684	SM 5210B	WET/10689
6033909003	DIC-SW03	SM 5210B	WET/10684	SM 5210B	WET/10689
6033909004	DIC-SW04	SM 5210B	WET/10684	SM 5210B	WET/10689
6033909005	DIC-SW05	SM 5210B	WET/10684	SM 5210B	WET/10689
6033909006	DIC-SW06	SM 5210B	WET/10684	SM 5210B	WET/10689
6033909001	DIC-SW01	SM 2540D	WET/10696		
6033909002	DIC-SW02	SM 2540D	WET/10696		
6033909003	DIC-SW03	SM 2540D	WET/10696		
6033909004	DIC-SW04	SM 2540D	WET/10696		
6033909002	DIC-SW02	EPA 5030B/8260	MSV/12510		
6033909004	DIC-SW04	EPA 5030B/8260	MSV/12510		
6033909006	DIC-SW06	EPA 5030B/8260	MSV/12510		
6033909007	TRIP BLANK	EPA 5030B/8260	MSV/12510		
6033909001	DIC-SW01	EPA 3010	MPRP/5488	EPA 6010	ICP/4837
6033909002	DIC-SW02	EPA 3010	MPRP/5488	EPA 6010	ICP/4837
6033909003	DIC-SW03	EPA 3010	MPRP/5488	EPA 6010	ICP/4837
6033909004	DIC-SW04	EPA 3010	MPRP/5488	EPA 6010	ICP/4837
6033909005	DIC-SW05	EPA 3010	MPRP/5488	EPA 6010	ICP/4837
6033909006	DIC-SW06	EPA 3010	MPRP/5488	EPA 6010	ICP/4837
6033909001	DIC-SW01	EPA 1664A	WET/10698		
6033909002	DIC-SW02	EPA 1664A	WET/10698		
6033909003	DIC-SW03	EPA 1664A	WET/10698		
6033909004	DIC-SW04	EPA 1664A	WET/10698		
6033909005	DIC-SW05	EPA 1664A	WET/10698		
6033909006	DIC-SW06	EPA 1664A	WET/10698		
6033909003	DIC-SW03	EPA 5030B/8260	MSV/12518		
6033909005	DIC-SW05	EPA 5030B/8260	MSV/12518		
6033909001	DIC-SW01	SM 4500-CN-E	WETA/6129		
6033909002	DIC-SW02	SM 4500-CN-E	WETA/6129		
6033909003	DIC-SW03	SM 4500-CN-E	WETA/6129		
6033909004	DIC-SW04	SM 4500-CN-E	WETA/6129		
6033909005	DIC-SW05	SM 4500-CN-E	WETA/6129		
6033909006	DIC-SW06	SM 4500-CN-E	WETA/6129		
6033909005	DIC-SW05	SM 2540D	WET/10711		
6033909006	DIC-SW06	SM 2540D	WET/10711		
6033909001	DIC-SW01	EPA 5030B/8260	MSV/12549		

February 11, 2008

Robbin Alley
EQM
1800 Carillon Blvd
Cincinnati, OH 45240

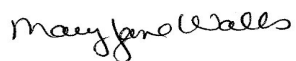
RE: Project: DIAZ INTERMEDIATES
Pace Project No.: 6034903

Dear Robbin Alley:

Enclosed are the analytical results for sample(s) received by the laboratory on February 02, 2008. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Mary Jane Walls

maryjane.walls@pacelabs.com
Project Manager

A2LA Certification Number: 2456.01
Arkansas Certification Number: 05-008-0
Illinois Certification Number: 001191
Iowa Certification Number: 118
Kansas/NELAP Certification Number: E-10116
Louisiana Certification Number: 03055
Oklahoma Certification Number: 9205/9935
Utah Certification Number: 9135995665

Enclosures

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: DIAZ INTERMEDIATES

Pace Project No.: 6034903

Lab ID	Sample ID	Matrix	Date Collected	Date Received
6034903001	DIC-SWOIA	Water	01/31/08 14:30	02/02/08 08:55
6034903002	TRIP BLANK	Water	01/31/08 14:30	02/02/08 08:55

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: DIAZ INTERMEDIATES

Pace Project No.: 6034903

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
6034903001	DIC-SWOIA	EPA 1664A	AJM	1	PASI-K
		EPA 5030B/8260	JKL	70	PASI-K
		EPA 6010	SMW	5	PASI-K
		EPA 7470	SMW	1	PASI-K
		SM 2540D	RAB	1	PASI-K
		SM 4500-CN-E	ACM	1	PASI-K
		SM 4500-H+B	MLM	1	PASI-K
		SM 5210B	MLM	1	PASI-K
6034903002	TRIP BLANK	EPA 5030B/8260	JKL	70	PASI-K

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: DIAZ INTERMEDIATES

Pace Project No.: 6034903

Method: EPA 6010

Description: 6010 MET ICP

Client: EQM

Date: February 11, 2008

General Information:

1 sample was analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: DIAZ INTERMEDIATES

Pace Project No.: 6034903

Method: EPA 7470

Description: 7470 Mercury

Client: EQM

Date: February 11, 2008

General Information:

1 sample was analyzed for EPA 7470. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 7470 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: DIAZ INTERMEDIATES

Pace Project No.: 6034903

Method: EPA 5030B/8260

Description: 8260 MSV

Client: EQM

Date: February 11, 2008

General Information:

2 samples were analyzed for EPA 5030B/8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

QC Batch: MSV/12865

S2: Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis).

- DIC-SWOIA (Lab ID: 6034903001)
- 4-Bromofluorobenzene (S)

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSV/12853

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

QC Batch: MSV/12865

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: DIAZ INTERMEDIATES

Pace Project No.: 6034903

Method: EPA 1664A

Description: HEM, Oil and Grease

Client: EQM

Date: February 11, 2008

General Information:

1 sample was analyzed for EPA 1664A. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: WET/10980

D7: The sample and/or duplicate results for this parameter are less than the reporting limit, calculations are based on estimated values and may be statistically unreliable.

- DUP (Lab ID: 283723)
- Oil and Grease

Additional Comments:

Analyte Comments:

QC Batch: WET/10980

1e: Matrix spike recovery is outside QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 283722)
- Oil and Grease

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: DIAZ INTERMEDIATES

Pace Project No.: 6034903

Method: SM 2540D

Description: 2540D Total Suspended Solids

Client: EQM

Date: February 11, 2008

General Information:

1 sample was analyzed for SM 2540D. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: DIAZ INTERMEDIATES

Pace Project No.: 6034903

Method: SM 4500-H+B

Description: 4500H+ pH, Electrometric

Client: EQM

Date: February 11, 2008

General Information:

1 sample was analyzed for SM 4500-H+B. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

H6: Analysis initiated more than 15 minutes after sample collection.

- DIC-SWOIA (Lab ID: 6034903001)

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: DIAZ INTERMEDIATES

Pace Project No.: 6034903

Method: SM 5210B

Description: 5210B BOD, 5 day

Client: EQM

Date: February 11, 2008

General Information:

1 sample was analyzed for SM 5210B. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with SM 5210B with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: DIAZ INTERMEDIATES

Pace Project No.: 6034903

Method: SM 4500-CN-E

Description: 4500CNE Cyanide, Total

Client: EQM

Date: February 11, 2008

General Information:

1 sample was analyzed for SM 4500-CN-E. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: DIAZ INTERMEDIATES

Pace Project No.: 6034903

Sample: DIC-SWOIA		Lab ID: 6034903001	Collected: 01/31/08 14:30	Received: 02/02/08 08:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Chromium	15.8 ug/L		5.0	1	02/06/08 00:00	02/07/08 17:25	7440-47-3	
Copper	43.6 ug/L		10.0	1	02/06/08 00:00	02/07/08 17:25	7440-50-8	
Lead	ND ug/L		5.0	1	02/06/08 00:00	02/07/08 17:25	7439-92-1	
Nickel	46.3 ug/L		5.0	1	02/06/08 00:00	02/07/08 17:25	7440-02-0	
Zinc	1440 ug/L		50.0	1	02/06/08 00:00	02/07/08 17:25	7440-66-6	
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury	ND ug/L		0.20	1	02/07/08 00:00	02/07/08 13:18	7439-97-6	
8260 MSV		Analytical Method: EPA 5030B/8260						
Acetone	ND ug/L		50.0	5		02/08/08 15:17	67-64-1	
Benzene	ND ug/L		5.0	5		02/08/08 15:17	71-43-2	
Bromobenzene	378 ug/L		5.0	5		02/08/08 15:17	108-86-1	
Bromochloromethane	ND ug/L		5.0	5		02/08/08 15:17	74-97-5	
Bromodichloromethane	ND ug/L		5.0	5		02/08/08 15:17	75-27-4	
Bromoform	ND ug/L		5.0	5		02/08/08 15:17	75-25-2	
Bromomethane	ND ug/L		5.0	5		02/08/08 15:17	74-83-9	
2-Butanone (MEK)	ND ug/L		50.0	5		02/08/08 15:17	78-93-3	
n-Butylbenzene	ND ug/L		5.0	5		02/08/08 15:17	104-51-8	
sec-Butylbenzene	ND ug/L		5.0	5		02/08/08 15:17	135-98-8	
tert-Butylbenzene	ND ug/L		5.0	5		02/08/08 15:17	98-06-6	
Carbon disulfide	ND ug/L		25.0	5		02/08/08 15:17	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	5		02/08/08 15:17	56-23-5	
Chlorobenzene	ND ug/L		5.0	5		02/08/08 15:17	108-90-7	
Chloroethane	ND ug/L		5.0	5		02/08/08 15:17	75-00-3	
Chloroform	ND ug/L		5.0	5		02/08/08 15:17	67-66-3	
Chloromethane	ND ug/L		5.0	5		02/08/08 15:17	74-87-3	
2-Chlorotoluene	ND ug/L		5.0	5		02/08/08 15:17	95-49-8	
4-Chlorotoluene	ND ug/L		5.0	5		02/08/08 15:17	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		12.5	5		02/08/08 15:17	96-12-8	
Dibromochloromethane	ND ug/L		5.0	5		02/08/08 15:17	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	5		02/08/08 15:17	106-93-4	
Dibromomethane	ND ug/L		5.0	5		02/08/08 15:17	74-95-3	
1,2-Dichlorobenzene	ND ug/L		5.0	5		02/08/08 15:17	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	5		02/08/08 15:17	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	5		02/08/08 15:17	106-46-7	
Dichlorodifluoromethane	ND ug/L		5.0	5		02/08/08 15:17	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	5		02/08/08 15:17	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	5		02/08/08 15:17	107-06-2	
1,2-Dichloroethene (Total)	ND ug/L		5.0	5		02/08/08 15:17	540-59-0	
1,1-Dichloroethene	ND ug/L		5.0	5		02/08/08 15:17	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	5		02/08/08 15:17	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	5		02/08/08 15:17	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	5		02/08/08 15:17	78-87-5	
1,3-Dichloropropane	ND ug/L		5.0	5		02/08/08 15:17	142-28-9	
2,2-Dichloropropane	ND ug/L		5.0	5		02/08/08 15:17	594-20-7	

Date: 02/11/2008 02:19 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: DIAZ INTERMEDIATES

Pace Project No.: 6034903

Sample: DIC-SWOIA		Lab ID: 6034903001	Collected: 01/31/08 14:30	Received: 02/02/08 08:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260						
1,1-Dichloropropene	ND ug/L		5.0	5		02/08/08 15:17	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		5.0	5		02/08/08 15:17	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	5		02/08/08 15:17	10061-02-6	
Ethylbenzene	ND ug/L		5.0	5		02/08/08 15:17	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		5.0	5		02/08/08 15:17	87-68-3	
2-Hexanone	ND ug/L		50.0	5		02/08/08 15:17	591-78-6	
Isopropylbenzene (Cumene)	ND ug/L		5.0	5		02/08/08 15:17	98-82-8	
p-Isopropyltoluene	ND ug/L		5.0	5		02/08/08 15:17	99-87-6	
Methylene chloride	ND ug/L		5.0	5		02/08/08 15:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		50.0	5		02/08/08 15:17	108-10-1	
Methyl-tert-butyl ether	ND ug/L		5.0	5		02/08/08 15:17	1634-04-4	
Naphthalene	ND ug/L		50.0	5		02/08/08 15:17	91-20-3	
n-Propylbenzene	ND ug/L		5.0	5		02/08/08 15:17	103-65-1	
Styrene	ND ug/L		5.0	5		02/08/08 15:17	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		5.0	5		02/08/08 15:17	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		5.0	5		02/08/08 15:17	79-34-5	
Tetrachloroethene	ND ug/L		5.0	5		02/08/08 15:17	127-18-4	
Toluene	ND ug/L		5.0	5		02/08/08 15:17	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		5.0	5		02/08/08 15:17	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		5.0	5		02/08/08 15:17	120-82-1	
1,1,1-Trichloroethane	ND ug/L		5.0	5		02/08/08 15:17	71-55-6	
1,1,2-Trichloroethane	ND ug/L		5.0	5		02/08/08 15:17	79-00-5	
Trichloroethene	ND ug/L		5.0	5		02/08/08 15:17	79-01-6	
Trichlorofluoromethane	ND ug/L		5.0	5		02/08/08 15:17	75-69-4	
1,2,3-Trichloropropane	ND ug/L		12.5	5		02/08/08 15:17	96-18-4	
1,2,4-Trimethylbenzene	ND ug/L		5.0	5		02/08/08 15:17	95-63-6	
1,3,5-Trimethylbenzene	ND ug/L		5.0	5		02/08/08 15:17	108-67-8	
Vinyl chloride	ND ug/L		5.0	5		02/08/08 15:17	75-01-4	
Xylene (Total)	ND ug/L		15.0	5		02/08/08 15:17	1330-20-7	
4-Bromofluorobenzene (S)	120 %		85-119	5		02/08/08 15:17	460-00-4	S2
Dibromofluoromethane (S)	91 %		85-114	5		02/08/08 15:17	1868-53-7	
1,2-Dichloroethane-d4 (S)	88 %		81-118	5		02/08/08 15:17	17060-07-0	
Toluene-d8 (S)	98 %		82-114	5		02/08/08 15:17	2037-26-5	
Preservation pH	1.0		0.10	5		02/08/08 15:17		
HEM, Oil and Grease		Analytical Method: EPA 1664A						
Oil and Grease	ND mg/L		5.0	1		02/07/08 11:03		
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	12.0 mg/L		5.0	1		02/04/08 15:15		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	9.0 Std. Units		0.10	1		02/02/08 15:30		H6
5210B BOD, 5 day		Analytical Method: SM 5210B Preparation Method: SM 5210B						
BOD, 5 day	44.0 mg/L		2.0	1	02/02/08 13:27	02/07/08 17:11		

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ANALYTICAL RESULTS

Project: DIAZ INTERMEDIATES

Pace Project No.: 6034903

Sample: DIC-SWOIA		Lab ID: 6034903001	Collected: 01/31/08 14:30	Received: 02/02/08 08:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500CNE Cyanide, Total		Analytical Method: SM 4500-CN-E						
Cyanide	ND	mg/L	0.0050	1		02/08/08 12:33	57-12-5	

ANALYTICAL RESULTS

Project: DIAZ INTERMEDIATES

Pace Project No.: 6034903

Sample: TRIP BLANK		Lab ID: 6034903002	Collected: 01/31/08 14:30	Received: 02/02/08 08:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260						
Acetone	ND ug/L		10.0	1		02/06/08 22:20	67-64-1	
Benzene	ND ug/L		1.0	1		02/06/08 22:20	71-43-2	
Bromobenzene	ND ug/L		1.0	1		02/06/08 22:20	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		02/06/08 22:20	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		02/06/08 22:20	75-27-4	
Bromoform	ND ug/L		1.0	1		02/06/08 22:20	75-25-2	
Bromomethane	ND ug/L		1.0	1		02/06/08 22:20	74-83-9	
2-Butanone (MEK)	ND ug/L		10.0	1		02/06/08 22:20	78-93-3	
n-Butylbenzene	ND ug/L		1.0	1		02/06/08 22:20	104-51-8	
sec-Butylbenzene	ND ug/L		1.0	1		02/06/08 22:20	135-98-8	
tert-Butylbenzene	ND ug/L		1.0	1		02/06/08 22:20	98-06-6	
Carbon disulfide	ND ug/L		5.0	1		02/06/08 22:20	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		02/06/08 22:20	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		02/06/08 22:20	108-90-7	
Chloroethane	ND ug/L		1.0	1		02/06/08 22:20	75-00-3	
Chloroform	ND ug/L		1.0	1		02/06/08 22:20	67-66-3	
Chloromethane	ND ug/L		1.0	1		02/06/08 22:20	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		02/06/08 22:20	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		02/06/08 22:20	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		2.5	1		02/06/08 22:20	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		02/06/08 22:20	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		02/06/08 22:20	106-93-4	
Dibromomethane	ND ug/L		1.0	1		02/06/08 22:20	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		02/06/08 22:20	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		02/06/08 22:20	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		02/06/08 22:20	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		02/06/08 22:20	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		02/06/08 22:20	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		02/06/08 22:20	107-06-2	
1,2-Dichloroethene (Total)	ND ug/L		1.0	1		02/06/08 22:20	540-59-0	
1,1-Dichloroethene	ND ug/L		1.0	1		02/06/08 22:20	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		02/06/08 22:20	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		02/06/08 22:20	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		02/06/08 22:20	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		02/06/08 22:20	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		02/06/08 22:20	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		02/06/08 22:20	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		02/06/08 22:20	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		02/06/08 22:20	10061-02-6	
Ethylbenzene	ND ug/L		1.0	1		02/06/08 22:20	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		02/06/08 22:20	87-68-3	
2-Hexanone	ND ug/L		10.0	1		02/06/08 22:20	591-78-6	
Isopropylbenzene (Cumene)	ND ug/L		1.0	1		02/06/08 22:20	98-82-8	
p-Isopropyltoluene	ND ug/L		1.0	1		02/06/08 22:20	99-87-6	
Methylene chloride	ND ug/L		1.0	1		02/06/08 22:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		02/06/08 22:20	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		02/06/08 22:20	1634-04-4	

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ANALYTICAL RESULTS

Project: DIAZ INTERMEDIATES

Pace Project No.: 6034903

Sample: TRIP BLANK		Lab ID: 6034903002	Collected: 01/31/08 14:30	Received: 02/02/08 08:55	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 5030B/8260						
Naphthalene	ND ug/L		10.0	1		02/06/08 22:20	91-20-3	
n-Propylbenzene	ND ug/L		1.0	1		02/06/08 22:20	103-65-1	
Styrene	ND ug/L		1.0	1		02/06/08 22:20	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		02/06/08 22:20	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		02/06/08 22:20	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		02/06/08 22:20	127-18-4	
Toluene	ND ug/L		1.0	1		02/06/08 22:20	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		02/06/08 22:20	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		02/06/08 22:20	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		02/06/08 22:20	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		02/06/08 22:20	79-00-5	
Trichloroethene	ND ug/L		1.0	1		02/06/08 22:20	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		02/06/08 22:20	75-69-4	
1,2,3-Trichloropropane	ND ug/L		2.5	1		02/06/08 22:20	96-18-4	
1,2,4-Trimethylbenzene	ND ug/L		1.0	1		02/06/08 22:20	95-63-6	
1,3,5-Trimethylbenzene	ND ug/L		1.0	1		02/06/08 22:20	108-67-8	
Vinyl chloride	ND ug/L		1.0	1		02/06/08 22:20	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		02/06/08 22:20	1330-20-7	
4-Bromofluorobenzene (S)	101 %		85-119	1		02/06/08 22:20	460-00-4	
Dibromofluoromethane (S)	98 %		85-114	1		02/06/08 22:20	1868-53-7	
1,2-Dichloroethane-d4 (S)	98 %		81-118	1		02/06/08 22:20	17060-07-0	
Toluene-d8 (S)	101 %		82-114	1		02/06/08 22:20	2037-26-5	
Preservation pH	1.0		0.10	1		02/06/08 22:20		

QUALITY CONTROL DATA

Project: DIAZ INTERMEDIATES

Pace Project No.: 6034903

QC Batch: WET/10934

Analysis Method: SM 5210B

QC Batch Method: SM 5210B

Analysis Description: 5210B BOD, 5 day

Associated Lab Samples: 6034903001

METHOD BLANK: 282289

Associated Lab Samples: 6034903001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
BOD, 5 day	mg/L	ND	2.0	

LABORATORY CONTROL SAMPLE: 282290

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
BOD, 5 day	mg/L	198	172	87	85-115	

SAMPLE DUPLICATE: 282347

Parameter	Units	6034295006 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	116	111	4	17	

QUALITY CONTROL DATA

Project: DIAZ INTERMEDIATES

Pace Project No.: 6034903

QC Batch: WET/10936 Analysis Method: SM 4500-H+B

QC Batch Method: SM 4500-H+B Analysis Description: 4500H+B pH

Associated Lab Samples: 6034903001

SAMPLE DUPLICATE: 282354

Parameter	Units	6034239002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.4	7.4	0	5	H6

QUALITY CONTROL DATA

Project: DIAZ INTERMEDIATES

Pace Project No.: 6034903

QC Batch: WET/10941

Analysis Method: SM 2540D

QC Batch Method: SM 2540D

Analysis Description: 2540D Total Suspended Solids

Associated Lab Samples: 6034903001

METHOD BLANK: 282493

Associated Lab Samples: 6034903001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	

SAMPLE DUPLICATE: 282494

Parameter	Units	6034239005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	82.0	84.0	2	5	

SAMPLE DUPLICATE: 282495

Parameter	Units	6034864001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	660	660	0	5	

QUALITY CONTROL DATA

Project: DIAZ INTERMEDIATES

Pace Project No.: 6034903

QC Batch:	MSV/12853	Analysis Method:	EPA 5030B/8260
QC Batch Method:	EPA 5030B/8260	Analysis Description:	8260 MSV Water 10 mL Purge
Associated Lab Samples:	6034903002		

METHOD BLANK: 283570

Associated Lab Samples: 6034903002

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	
1,1,1-Trichloroethane	ug/L	ND	1.0	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	
1,1,2-Trichloroethane	ug/L	ND	1.0	
1,1-Dichloroethane	ug/L	ND	1.0	
1,1-Dichloroethene	ug/L	ND	1.0	
1,1-Dichloropropene	ug/L	ND	1.0	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	
1,2,3-Trichloropropane	ug/L	ND	2.5	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.5	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	
1,2-Dichlorobenzene	ug/L	ND	1.0	
1,2-Dichloroethane	ug/L	ND	1.0	
1,2-Dichloroethene (Total)	ug/L	ND	1.0	
1,2-Dichloropropane	ug/L	ND	1.0	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	
1,3-Dichlorobenzene	ug/L	ND	1.0	
1,3-Dichloropropane	ug/L	ND	1.0	
1,4-Dichlorobenzene	ug/L	ND	1.0	
2,2-Dichloropropane	ug/L	ND	1.0	
2-Butanone (MEK)	ug/L	ND	10.0	
2-Chlorotoluene	ug/L	ND	1.0	
2-Hexanone	ug/L	ND	10.0	
4-Chlorotoluene	ug/L	ND	1.0	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	
Acetone	ug/L	ND	10.0	
Benzene	ug/L	ND	1.0	
Bromobenzene	ug/L	ND	1.0	
Bromochloromethane	ug/L	ND	1.0	
Bromodichloromethane	ug/L	ND	1.0	
Bromoform	ug/L	ND	1.0	
Bromomethane	ug/L	ND	1.0	
Carbon disulfide	ug/L	ND	5.0	
Carbon tetrachloride	ug/L	ND	1.0	
Chlorobenzene	ug/L	ND	1.0	
Chloroethane	ug/L	ND	1.0	
Chloroform	ug/L	ND	1.0	
Chloromethane	ug/L	ND	1.0	
cis-1,2-Dichloroethene	ug/L	ND	1.0	
cis-1,3-Dichloropropene	ug/L	ND	1.0	
Dibromochloromethane	ug/L	ND	1.0	

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QUALITY CONTROL DATA

Project: DIAZ INTERMEDIATES

Pace Project No.: 6034903

METHOD BLANK: 283570

Associated Lab Samples: 6034903002

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Dibromomethane	ug/L	ND	1.0	
Dichlorodifluoromethane	ug/L	ND	1.0	
Ethylbenzene	ug/L	ND	1.0	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	
Methyl-tert-butyl ether	ug/L	ND	1.0	
Methylene chloride	ug/L	ND	1.0	
n-Butylbenzene	ug/L	ND	1.0	
n-Propylbenzene	ug/L	ND	1.0	
Naphthalene	ug/L	ND	10.0	
p-Isopropyltoluene	ug/L	ND	1.0	
sec-Butylbenzene	ug/L	ND	1.0	
Styrene	ug/L	ND	1.0	
tert-Butylbenzene	ug/L	ND	1.0	
Tetrachloroethene	ug/L	ND	1.0	
Toluene	ug/L	ND	1.0	
trans-1,2-Dichloroethene	ug/L	ND	1.0	
trans-1,3-Dichloropropene	ug/L	ND	1.0	
Trichloroethene	ug/L	ND	1.0	
Trichlorofluoromethane	ug/L	ND	1.0	
Vinyl chloride	ug/L	ND	1.0	
Xylene (Total)	ug/L	ND	3.0	
1,2-Dichloroethane-d4 (S)	%	100	81-118	
4-Bromofluorobenzene (S)	%	102	85-119	
Dibromofluoromethane (S)	%	100	85-114	
Toluene-d8 (S)	%	101	82-114	

LABORATORY CONTROL SAMPLE: 283571

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	10	9.1	91	77-127	
1,1,1-Trichloroethane	ug/L	10	9.3	93	78-130	
1,1,2,2-Tetrachloroethane	ug/L	10	8.9	89	73-131	
1,1,2-Trichloroethane	ug/L	10	9.8	98	85-126	
1,1-Dichloroethane	ug/L	10	8.9	89	76-124	
1,1-Dichloroethene	ug/L	10	8.1	81	76-129	
1,1-Dichloropropene	ug/L	10	9.2	92	83-125	
1,2,3-Trichlorobenzene	ug/L	10	8.2	82	78-129	
1,2,3-Trichloropropane	ug/L	10	7.6	76	69-117	
1,2,4-Trichlorobenzene	ug/L	10	8.3	83	79-127	
1,2,4-Trimethylbenzene	ug/L	10	9.6	96	82-124	
1,2-Dibromo-3-chloropropane	ug/L	10	7.4	74	62-141	
1,2-Dibromoethane (EDB)	ug/L	10	9.7	97	85-124	
1,2-Dichlorobenzene	ug/L	10	9.3	93	85-123	
1,2-Dichloroethane	ug/L	10	9.1	91	77-129	

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QUALITY CONTROL DATA

Project: DIAZ INTERMEDIATES

Pace Project No.: 6034903

LABORATORY CONTROL SAMPLE: 283571

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethene (Total)	ug/L	20	18.6	93	81-127	
1,2-Dichloropropane	ug/L	10	8.9	89	82-121	
1,3,5-Trimethylbenzene	ug/L	10	9.9	99	85-122	
1,3-Dichlorobenzene	ug/L	10	8.9	89	84-121	
1,3-Dichloropropane	ug/L	10	9.3	93	86-121	
1,4-Dichlorobenzene	ug/L	10	8.9	89	83-121	
2,2-Dichloropropane	ug/L	10	7.9	79	47-154	
2-Butanone (MEK)	ug/L	20	13.4	67	64-126	
2-Chlorotoluene	ug/L	10	9.1	91	83-125	
2-Hexanone	ug/L	20	16.0	80	65-128	
4-Chlorotoluene	ug/L	10	9.2	92	84-121	
4-Methyl-2-pentanone (MIBK)	ug/L	20	17.1	86	64-121	
Acetone	ug/L	20	12.5	62	52-139	
Benzene	ug/L	10	9.0	90	87-117	
Bromobenzene	ug/L	10	9.3	93	83-126	
Bromochloromethane	ug/L	10	9.3	93	82-129	
Bromodichloromethane	ug/L	10	9.0	90	75-127	
Bromoform	ug/L	10	7.6	76	64-133	
Bromomethane	ug/L	10	6.5	65	21-188	
Carbon disulfide	ug/L	20	14.6	73	53-120	
Carbon tetrachloride	ug/L	10	8.8	88	76-131	
Chlorobenzene	ug/L	10	9.8	98	85-120	
Chloroethane	ug/L	10	7.1	71	69-126	
Chloroform	ug/L	10	9.2	92	79-126	
Chloromethane	ug/L	10	6.1	61	44-118	
cis-1,2-Dichloroethene	ug/L	10	9.3	93	79-128	
cis-1,3-Dichloropropene	ug/L	10	8.8	88	76-122	
Dibromochloromethane	ug/L	10	8.8	88	74-121	
Dibromomethane	ug/L	10	10.3	103	75-130	
Dichlorodifluoromethane	ug/L	10	5.0	50	12-132	
Ethylbenzene	ug/L	10	10.1	101	84-123	
Hexachloro-1,3-butadiene	ug/L	10	9.0	90	71-144	
Isopropylbenzene (Cumene)	ug/L	10	8.3	83	72-107	
Methyl-tert-butyl ether	ug/L	10	9.4	94	69-115	
Methylene chloride	ug/L	10	9.0	90	74-132	
n-Butylbenzene	ug/L	10	9.3	93	80-126	
n-Propylbenzene	ug/L	10	9.2	92	83-123	
Naphthalene	ug/L	10	8.3J	83	61-150	
p-Isopropyltoluene	ug/L	10	9.4	94	82-118	
sec-Butylbenzene	ug/L	10	9.4	94	84-121	
Styrene	ug/L	10	9.9	99	84-128	
tert-Butylbenzene	ug/L	10	9.2	92	83-124	
Tetrachloroethene	ug/L	10	9.5	95	83-126	
Toluene	ug/L	10	9.7	97	81-124	
trans-1,2-Dichloroethene	ug/L	10	9.3	93	80-130	
trans-1,3-Dichloropropene	ug/L	10	9.0	90	75-122	
Trichloroethene	ug/L	10	9.0	90	80-130	
Trichlorofluoromethane	ug/L	10	6.9	69	65-113	

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QUALITY CONTROL DATA

Project: DIAZ INTERMEDIATES

Pace Project No.: 6034903

LABORATORY CONTROL SAMPLE: 283571

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Vinyl chloride	ug/L	10	7.4	74	59-124	
Xylene (Total)	ug/L	30	29.3	98	83-125	
1,2-Dichloroethane-d4 (S)	%			96	81-118	
4-Bromofluorobenzene (S)	%			101	85-119	
Dibromofluoromethane (S)	%			98	85-114	
Toluene-d8 (S)	%			103	82-114	

QUALITY CONTROL DATA

Project: DIAZ INTERMEDIATES

Pace Project No.: 6034903

QC Batch: WET/10980

Analysis Method: EPA 1664A

QC Batch Method: EPA 1664A

Analysis Description: 1664 HEM, Oil and Grease

Associated Lab Samples: 6034903001

METHOD BLANK: 283720

Associated Lab Samples: 6034903001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Oil and Grease	mg/L	ND	5.0	

LABORATORY CONTROL SAMPLE: 283721

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	40.0	100	78-114	

MATRIX SPIKE SAMPLE: 283722

Parameter	Units	6034718001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	45.5	36.5	76	78-114	1e

SAMPLE DUPLICATE: 283723

Parameter	Units	6034718002 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	ND	ND	37	18	D7

QUALITY CONTROL DATA

Project: DIAZ INTERMEDIATES

Pace Project No.: 6034903

QC Batch: MERP/2496

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury

Associated Lab Samples: 6034903001

METHOD BLANK: 283759

Associated Lab Samples: 6034903001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Mercury	ug/L	ND	0.20	

LABORATORY CONTROL SAMPLE: 283760

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.9	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 283761 283762

Parameter	Units	6034825001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	5.0	5.0	99	99	75-125	0	19	

QUALITY CONTROL DATA

Project: DIAZ INTERMEDIATES

Pace Project No.: 6034903

QC Batch:	MSV/12865	Analysis Method:	EPA 5030B/8260
QC Batch Method:	EPA 5030B/8260	Analysis Description:	8260 MSV Water 10 mL Purge
Associated Lab Samples:	6034903001		

METHOD BLANK: 283868

Associated Lab Samples: 6034903001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	
1,1,1-Trichloroethane	ug/L	ND	1.0	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	
1,1,2-Trichloroethane	ug/L	ND	1.0	
1,1-Dichloroethane	ug/L	ND	1.0	
1,1-Dichloroethene	ug/L	ND	1.0	
1,1-Dichloropropene	ug/L	ND	1.0	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	
1,2,3-Trichloropropane	ug/L	ND	2.5	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.5	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	
1,2-Dichlorobenzene	ug/L	ND	1.0	
1,2-Dichloroethane	ug/L	ND	1.0	
1,2-Dichloroethene (Total)	ug/L	ND	1.0	
1,2-Dichloropropane	ug/L	ND	1.0	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	
1,3-Dichlorobenzene	ug/L	ND	1.0	
1,3-Dichloropropane	ug/L	ND	1.0	
1,4-Dichlorobenzene	ug/L	ND	1.0	
2,2-Dichloropropane	ug/L	ND	1.0	
2-Butanone (MEK)	ug/L	ND	10.0	
2-Chlorotoluene	ug/L	ND	1.0	
2-Hexanone	ug/L	ND	10.0	
4-Chlorotoluene	ug/L	ND	1.0	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	
Acetone	ug/L	ND	10.0	
Benzene	ug/L	ND	1.0	
Bromobenzene	ug/L	ND	1.0	
Bromochloromethane	ug/L	ND	1.0	
Bromodichloromethane	ug/L	ND	1.0	
Bromoform	ug/L	ND	1.0	
Bromomethane	ug/L	ND	1.0	
Carbon disulfide	ug/L	ND	5.0	
Carbon tetrachloride	ug/L	ND	1.0	
Chlorobenzene	ug/L	ND	1.0	
Chloroethane	ug/L	ND	1.0	
Chloroform	ug/L	ND	1.0	
Chloromethane	ug/L	ND	1.0	
cis-1,2-Dichloroethene	ug/L	ND	1.0	
cis-1,3-Dichloropropene	ug/L	ND	1.0	
Dibromochloromethane	ug/L	ND	1.0	

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QUALITY CONTROL DATA

Project: DIAZ INTERMEDIATES

Pace Project No.: 6034903

METHOD BLANK: 283868

Associated Lab Samples: 6034903001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Dibromomethane	ug/L	ND	1.0	
Dichlorodifluoromethane	ug/L	ND	1.0	
Ethylbenzene	ug/L	ND	1.0	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	
Methyl-tert-butyl ether	ug/L	ND	1.0	
Methylene chloride	ug/L	ND	1.0	
n-Butylbenzene	ug/L	ND	1.0	
n-Propylbenzene	ug/L	ND	1.0	
Naphthalene	ug/L	ND	10.0	
p-Isopropyltoluene	ug/L	ND	1.0	
sec-Butylbenzene	ug/L	ND	1.0	
Styrene	ug/L	ND	1.0	
tert-Butylbenzene	ug/L	ND	1.0	
Tetrachloroethene	ug/L	ND	1.0	
Toluene	ug/L	ND	1.0	
trans-1,2-Dichloroethene	ug/L	ND	1.0	
trans-1,3-Dichloropropene	ug/L	ND	1.0	
Trichloroethene	ug/L	ND	1.0	
Trichlorofluoromethane	ug/L	ND	1.0	
Vinyl chloride	ug/L	ND	1.0	
Xylene (Total)	ug/L	ND	3.0	
1,2-Dichloroethane-d4 (S)	%	97	81-118	
4-Bromofluorobenzene (S)	%	100	85-119	
Dibromofluoromethane (S)	%	97	85-114	
Toluene-d8 (S)	%	103	82-114	

LABORATORY CONTROL SAMPLE: 283869

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	10	10.3	103	77-127	
1,1,1-Trichloroethane	ug/L	10	9.3	93	78-130	
1,1,2,2-Tetrachloroethane	ug/L	10	8.8	88	73-131	
1,1,2-Trichloroethane	ug/L	10	10.2	102	85-126	
1,1-Dichloroethane	ug/L	10	8.7	87	76-124	
1,1-Dichloroethene	ug/L	10	8.2	82	76-129	
1,1-Dichloropropene	ug/L	10	9.1	91	83-125	
1,2,3-Trichlorobenzene	ug/L	10	10.3	103	78-129	
1,2,3-Trichloropropane	ug/L	10	7.8	78	69-117	
1,2,4-Trichlorobenzene	ug/L	10	9.8	98	79-127	
1,2,4-Trimethylbenzene	ug/L	10	9.4	94	82-124	
1,2-Dibromo-3-chloropropane	ug/L	10	7.9	79	62-141	
1,2-Dibromoethane (EDB)	ug/L	10	10.7	107	85-124	
1,2-Dichlorobenzene	ug/L	10	9.8	98	85-123	
1,2-Dichloroethane	ug/L	10	9.1	91	77-129	

QUALITY CONTROL DATA

Project: DIAZ INTERMEDIATES

Pace Project No.: 6034903

LABORATORY CONTROL SAMPLE: 283869

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethene (Total)	ug/L	20	18.7	94	81-127	
1,2-Dichloropropane	ug/L	10	9.0	90	82-121	
1,3,5-Trimethylbenzene	ug/L	10	9.6	96	85-122	
1,3-Dichlorobenzene	ug/L	10	8.7	87	84-121	
1,3-Dichloropropane	ug/L	10	9.3	93	86-121	
1,4-Dichlorobenzene	ug/L	10	8.9	89	83-121	
2,2-Dichloropropane	ug/L	10	8.3	83	47-154	
2-Butanone (MEK)	ug/L	20	14.6	73	64-126	
2-Chlorotoluene	ug/L	10	9.0	90	83-125	
2-Hexanone	ug/L	20	19.8	99	65-128	
4-Chlorotoluene	ug/L	10	9.6	96	84-121	
4-Methyl-2-pentanone (MIBK)	ug/L	20	18.5	93	64-121	
Acetone	ug/L	20	19.1	95	52-139	
Benzene	ug/L	10	9.3	93	87-117	
Bromobenzene	ug/L	10	9.1	91	83-126	
Bromochloromethane	ug/L	10	9.1	91	82-129	
Bromodichloromethane	ug/L	10	9.0	90	75-127	
Bromoform	ug/L	10	9.4	94	64-133	
Bromomethane	ug/L	10	7.3	73	21-188	
Carbon disulfide	ug/L	20	16.5	83	53-120	
Carbon tetrachloride	ug/L	10	9.1	91	76-131	
Chlorobenzene	ug/L	10	10.2	102	85-120	
Chloroethane	ug/L	10	7.0	70	69-126	
Chloroform	ug/L	10	8.7	87	79-126	
Chloromethane	ug/L	10	7.1	71	44-118	
cis-1,2-Dichloroethene	ug/L	10	9.4	94	79-128	
cis-1,3-Dichloropropene	ug/L	10	9.2	92	76-122	
Dibromochloromethane	ug/L	10	9.3	93	74-121	
Dibromomethane	ug/L	10	10.7	107	75-130	
Dichlorodifluoromethane	ug/L	10	5.5	55	12-132	
Ethylbenzene	ug/L	10	10.5	105	84-123	
Hexachloro-1,3-butadiene	ug/L	10	10.4	104	71-144	
Isopropylbenzene (Cumene)	ug/L	10	8.0	80	72-107	
Methyl-tert-butyl ether	ug/L	10	8.8	88	69-115	
Methylene chloride	ug/L	10	9.1	91	74-132	
n-Butylbenzene	ug/L	10	8.9	89	80-126	
n-Propylbenzene	ug/L	10	9.6	96	83-123	
Naphthalene	ug/L	10	9.6J	96	61-150	
p-Isopropyltoluene	ug/L	10	9.1	91	82-118	
sec-Butylbenzene	ug/L	10	9.0	90	84-121	
Styrene	ug/L	10	10.2	102	84-128	
tert-Butylbenzene	ug/L	10	9.2	92	83-124	
Tetrachloroethene	ug/L	10	10.1	101	83-126	
Toluene	ug/L	10	9.6	96	81-124	
trans-1,2-Dichloroethene	ug/L	10	9.3	93	80-130	
trans-1,3-Dichloropropene	ug/L	10	9.1	91	75-122	
Trichloroethene	ug/L	10	9.7	97	80-130	
Trichlorofluoromethane	ug/L	10	7.2	72	65-113	

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QUALITY CONTROL DATA

Project: DIAZ INTERMEDIATES

Pace Project No.: 6034903

LABORATORY CONTROL SAMPLE: 283869

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Vinyl chloride	ug/L	10	7.5	75	59-124	
Xylene (Total)	ug/L	30	30.6	102	83-125	
1,2-Dichloroethane-d4 (S)	%			97	81-118	
4-Bromofluorobenzene (S)	%			97	85-119	
Dibromofluoromethane (S)	%			101	85-114	
Toluene-d8 (S)	%			102	82-114	

QUALITY CONTROL DATA

Project: DIAZ INTERMEDIATES

Pace Project No.: 6034903

QC Batch: WETA/6248

Analysis Method: SM 4500-CN-E

QC Batch Method: SM 4500-CN-E

Analysis Description: 4500CNE Cyanide, Total

Associated Lab Samples: 6034903001

METHOD BLANK: 284238

Associated Lab Samples: 6034903001

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Cyanide	mg/L	ND	0.0050	

LABORATORY CONTROL SAMPLE: 284239

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	.1	0.092	92	73-124	

MATRIX SPIKE SAMPLE: 284241

Parameter	Units	6034986002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	ND	.1	0.089	89	43-130	

SAMPLE DUPLICATE: 284240

Parameter	Units	6034239009 Result	Dup Result	RPD	Max RPD	Qualifiers
Cyanide	mg/L	0.75	0.81	7	31	

QUALIFIERS

Project: DIAZ INTERMEDIATES

Pace Project No.: 6034903

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-K Pace Analytical Services - Kansas City

BATCH QUALIFIERS

Batch: MSV/12853

[1] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: MSV/12865

[1] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

1e Matrix spike recovery is outside QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

D7 The sample and/or duplicate results for this parameter are less than the reporting limit, calculations are based on estimated values and may be statistically unreliable.

H6 Analysis initiated more than 15 minutes after sample collection.

S2 Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis).

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: DIAZ INTERMEDIATES

Pace Project No.: 6034903

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6034903001	DIC-SWOIA	SM 5210B	WET/10934	SM 5210B	WET/10935
6034903001	DIC-SWOIA	SM 4500-H+B	WET/10936		
6034903001	DIC-SWOIA	SM 2540D	WET/10941		
6034903001	DIC-SWOIA	EPA 3010	MPRP/5644	EPA 6010	ICP/4980
6034903002	TRIP BLANK	EPA 5030B/8260	MSV/12853		
6034903001	DIC-SWOIA	EPA 1664A	WET/10980		
6034903001	DIC-SWOIA	EPA 7470	MERP/2496	EPA 7470	MERC/2472
6034903001	DIC-SWOIA	EPA 5030B/8260	MSV/12865		
6034903001	DIC-SWOIA	SM 4500-CN-E	WETA/6248		

APPENDIX E

ADEQ Effluent Limits Versus Storm Water Sample Results

APPENDIX E									
ADEQ EFFLUENT LIMITS VERSUS STORM WATER SAMPLE RESULTS									
Parameter	ADEQ Effluent Limitations		Storm Water Sample ID Number						
	Daily Maximum	Monthly Average	DIC-SW01	DIC-SW02	DIC-SW03	DIC-SW04	DIC-SW05	DIC-SW06	DIC-SW-01A
Oil & Grease	100 mg/L ¹		ND ²	ND	ND	ND	ND	ND	ND
Temperature	104 °F/40 °C		NA ³	NA	NA	NA	NA	NA	NA
pH (Standard Units)	5.5 - 10.0		4.2	7.6	7.7	7.8	7.7	7.6	9
Total Suspended Solids			ND	ND	ND	10.0 mg/L	ND	10.0 mg/L	12.0 mg/L
Biochemical Oxygen Demand			ND	ND	2.2 mg/L	ND	2.0 mg/L	2.2 mg/L	44.0 mg/L
Chromium	2.77 mg/L	1.71 mg/L	0.0333 mg/L	ND	ND	ND	0.0055 mg/L	ND	0.0158 mg/L
Copper	3.38 mg/L	2.07 mg/L	0.0489 mg/L	ND	ND	ND	ND	ND	0.0436 mg/L
Cyanide	1.20 mg/L	0.64 mg/L	0.0080 mg/L	0.0096 mg/L	ND	ND	0.0066 mg/L	ND	ND
Lead	0.69 mg/L	0.43 mg/L	0.0154 mg/L	ND	ND	ND	ND	ND	ND
Nickel	3.98 mg/L	2.68 mg/L	0.399 mg/L	0.0178 mg/L	ND	ND	0.0301 mg/L	ND	0.0463 mg/L
Zinc	2.61 mg/L	1.48 mg/L	21.5 mg/L	1.25 mg/L	ND	0.0947 mg/L	0.331 mg/L	ND	1.44 mg/L
Volatiles (Method 8260)									
Benzene			ND	ND	0.001 mg/L	ND	ND	ND	ND
Bromobenzene			ND	ND	0.0238 mg/L	ND	0.0336 mg/L	ND	0.378 mg/L
Chlorobenzene			ND	ND	0.0037 mg/L	ND	0.0084 mg/L	ND	ND
Chloromethane			ND	ND	ND	ND	0.004 mg/L	ND	ND
Toluene			ND	ND	0.0215 mg/L	ND	0.095 mg/L	ND	ND

¹ = milligram per liter

² = Non Detect

³ = Not Applicable

APPENDIX F

Reactor Vessel Inventory

APPENDIX F

Reactor Vessel and AST Inventory as of July 24, 2007

Container ID#	Contents	Quantity Remaining	Location	Comments
AS05	Water	100 gallons	Process Building	After Maintenance Service
AS07	Water	100 gallons	Process Building	After Maintenance Service
AR01	Water, Rinsed	Unknown	Process Building	
AR02	Water, Rinsed	Unknown	Process Building	Used for MeOH
AR02A	Waste Water	1,560 gallons	Process Building	pH: 6.1
AR02B	Empty	Empty	Process Building	
AR04	Empty	Empty	Process Building	Reactor (Pot) is clean
AR05	DBT (T)	650 gallons	Process Building	#024
AR06	Spall Guard Solution	1,480 gallons	Process Building	
R-11	MBS (WP) Residue	Empty	Process Building	
AT01	MBFB (H)	Empty	Process Building	Last Use
AT03	FB	970 gallons	Process Building	
AT03A	MBFB (H)	Empty	Process Building	Last Use
AT07	Bromine	7,639 kilograms	Process Building	
AT07A	Bromine	1,040 kilograms	Process Building	
AT08	Waste Water, non-filtered	50 gallons	Process Building	
AT08A	Waste water	Empty	Process Building	Last Use
AT08B	XBT (T)	203 gallons	Process Building	
AT09	Toluene	3,623 gallons	Process Building	
AT09A	NaOH (y)	370 kilograms	Process Building	
AT09B	NaOH	Unknown	Process Building	Storage
IT01	FB	8,661 gallons	Old Tank Farm	
IT02	Waste Water	6,318 gallons	Old Tank Farm	
IT03	PBFB (residue)	Empty	Old Tank Farm	
IT04	HCl (30%)	600 gallons	Old Tank Farm	
IT05	HBR (48%)	8,950 gallons	New Tank Farm	
IT06	HBR (30%)	4,150 gallons	New Tank Farm	
IT07	HBR (48%)	955 gallons	New Tank Farm	
IT08	HBR (48%)	5,910 gallons	New Tank Farm	
IT09	Wastewater	860 Gallons	New Tank Farm	
IT10	Wastewater	Unknown	New Tank Farm	

APPENDIX G

Digital Photographs



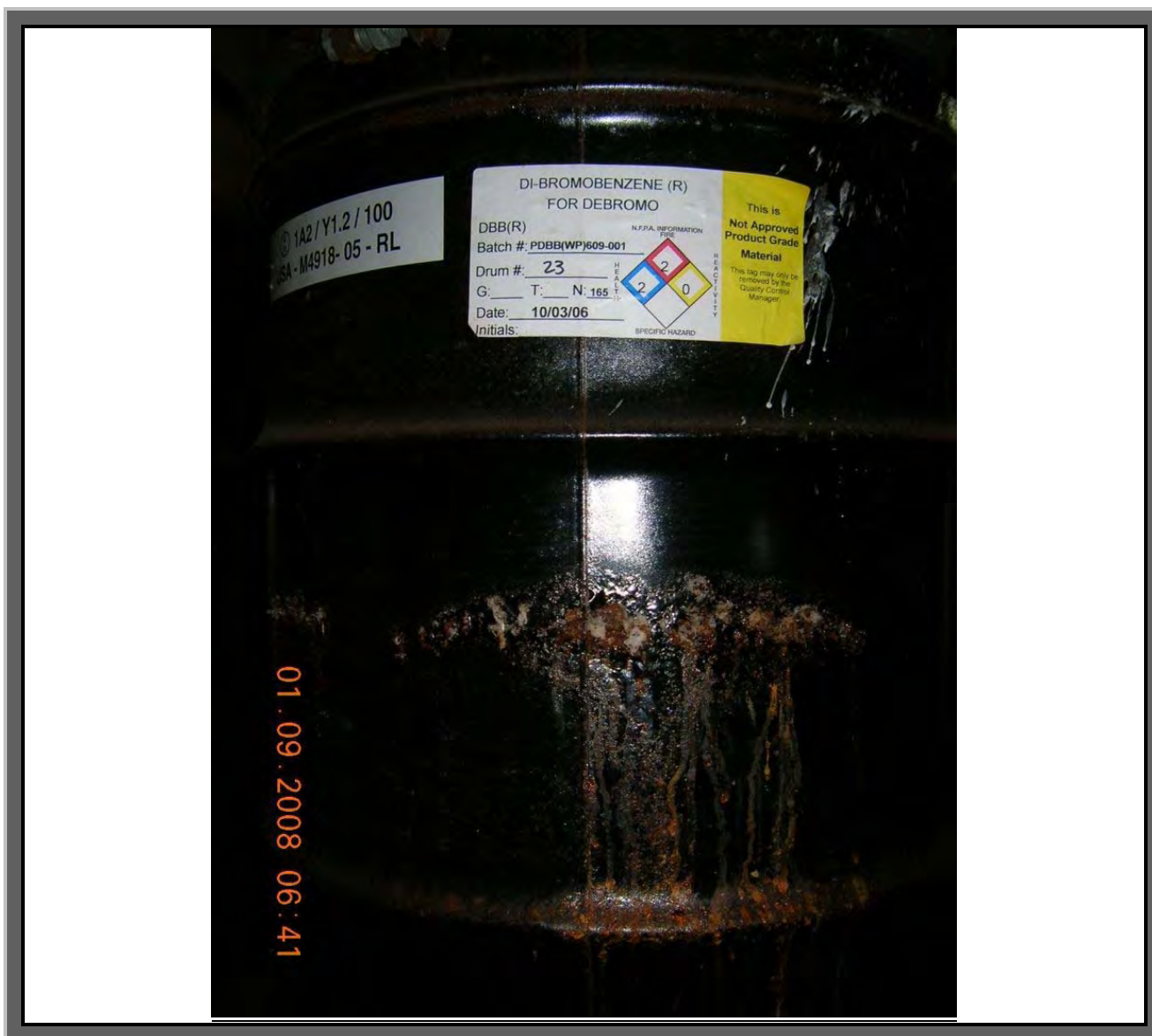
Logbook Photo #	001
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	North
Date	01/09/08
Time	0737
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Diaz sign at entrance to facility.	

START
DYNAMAC[®]
 CORPORATION



Logbook Photo #	002
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Down
Date	01/09/08
Time	0741
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Leaking di-bromobenzene drum in Warehouse.	

START
DYNAMAC[®]
CORPORATION



Logbook Photo #	003
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	South
Date	01/09/08
Time	0741
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Deteriorating di-bromobenzene drum in Warehouse	

START
DYNAMAC[®]
CORPORATION



Logbook Photo #	004
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Down
Date	01/09/08
Time	0805
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description:	Broken plastic bungs.

START
DYNAMAC[®]
CORPORATION



Logbook Photo #	005
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Down
Date	01/09/08
Time	0807
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Broken plastic bungs on Mixed Organics Overhead drum.	



Logbook Photo #	006
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	North-Northeast
Date	01/09/08
Time	0837
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Storm water gate at northeast corner of facility.	



Logbook Photo #	007
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	North-Northeast
Date	01/09/08
Time	0837
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: EPA and ADEQ inspecting storm water drainage pathway.	



Logbook Photo #	008
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	North
Date	01/09/08
Time	0840
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description:	Pooled storm water in Drum Pad containment area.



Logbook Photo #	009
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Southwest
Date	01/09/08
Time	0840
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description:	Pooled storm water in the New Tank Farm secondary containment area.

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Logbook Photo #	010
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	West
Date	01/09/08
Time	0840
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Pooled storm water in Warehouse.	

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Logbook Photo #	011
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Southeast
Date	01/09/08
Time	0855
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: ERRS removing leaking drums for transfer in Warehouse.	



Logbook Photo #	012
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	South-Southwest
Date	01/09/08
Time	0902
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description:	Drums in Warehouse exhibiting signs of deterioration.

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Logbook Photo #	013
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	West
Date	01/09/08
Time	1316
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description:	Leaking drums staged next to tote tanks for transfer.



Logbook Photo #	014
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	South-Southwest
Date	01/09/08
Time	1319
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Replacing broken plastic bungs.	



Logbook Photo #	015
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	North-Northeast
Date	01/09/08
Time	1320
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Replacing broken plastic bungs.	



Logbook Photo #	016
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Down
Date	01/09/08
Time	1326
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Broken plastic bungs on Propyl Bromide drum.	



Logbook Photo #	017
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	East
Date	01/09/08
Time	1338
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Another view of pooled storm water in Drum Pad containment area.	



Logbook Photo #	018
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Northwest
Date	01/10/08
Time	0825
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: ERRS pumping storm water out of Warehouse sump to Old Tank Farm secondary containment area.	

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Logbook Photo #	019
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	North
Date	01/10/08
Time	0830
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: ERRS pumping out Warehouse sump storm water into the Old Tank Farm secondary containment area.	



Logbook Photo #	020
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Northwest
Date	01/10/08
Time	0830
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Leaking drums of di-bromobenzene staged for transfer into tote tanks.	

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Logbook Photo #	021
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	West
Date	01/10/08
Time	1112
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: ERRS transferring the contents of the di-bromobenzene drums into tote tanks.	



Logbook Photo #	022
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	East
Date	01/10/08
Time	1120
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: ERRS transferring the contents of the di-bromobenzene drum into tote tanks.	



Logbook Photo #	023
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	North-Northwest
Date	01/10/08
Time	1124
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Pooled storm water in New and Old Tank Farm secondary containment areas.	



Logbook Photo #	024
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Down
Date	01/10/08
Time	1408
Photographer	Don Edgington, CET ERRS
Witness	Troy Naquin, Dynamac START-3
Description: START-3 collecting storm water sample from the Old Tank Farm secondary containment area.	



Logbook Photo #	025
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	North
Date	01/10/08
Time	1408
Photographer	Don Edgington, CET ERRS
Witness	Troy Naquin, Dynamac START-3
Description: START-3 and EPA collecting storm water samples from the Old Tank Farm secondary containment area.	



Logbook Photo #	026
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	West
Date	01/10/08
Time	1425
Photographer	Don Edgington, CET ERRS
Witness	Troy Naquin, Dynamac START-3
Description: ERRS transferring the contents of the di-bromobenzene drums into tote tanks.	



Logbook Photo #	027
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	North
Date	01/10/08
Time	1428
Photographer	Don Edgington, CET ERRS
Witness	Troy Naquin, Dynamac START-3
Description: START-3 and EPA collecting storm water samples from the Drum Pad secondary containment area.	



Logbook Photo #	028
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	East
Date	01/10/08
Time	1435
Photographer	Don Edgington, CET ERRS
Witness	Troy Naquin, Dynamac START-3
Description: START-3 and EPA collecting storm water samples from the North Pad Sump area.	



Logbook Photo #	029
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	North-Northeast
Date	01/10/08
Time	1502
Photographer	Don Edgington, CET ERRS
Witness	Troy Naquin, Dynamac START-3
Description: START-3 collecting storm water samples from the storm water drainage pathway upstream of storm water gate.	



Logbook Photo #	030
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	West
Date	01/11/08
Time	0900
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: ERRS transferring the contents of the di-bromobenzene drums into tote tanks.	



Logbook Photo #	031
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	West
Date	01/11/08
Time	0900
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description:	ERRS transferring the contents of the di-bromobenzene drums into tote tanks.

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Logbook Photo #	032
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	West
Date	01/11/08
Time	0901
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description:	ERRS transferring the contents of the di-bromobenzene drums into tote tanks.



Logbook Photo #	033
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	West
Date	01/11/08
Time	1410
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: ERRS constructing containment area and over-packing di-bromobenzene drums.	



Logbook Photo #	034
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	West
Date	01/11/08
Time	1411
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Thirteen over-pack drums containing di-bromobenzene sludge.	



Logbook Photo #	035
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	West
Date	01/11/08
Time	1411
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description:	Di-bromobenzene drums with sludge staged in the constructed containment area.

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Logbook Photo #	036
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	South
Date	01/11/08
Time	1424
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Elevating drums in Process Area off of floor.	

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Logbook Photo #	037
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	West
Date	01/11/08
Time	1525
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Di-bromobenzene drums stored in over-pack drums and staged on a constructed containment area in Warehouse.	

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Logbook Photo #	038
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	South
Date	01/11/08
Time	1528
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Tote tank containing di-bromobenzene transferred from drums with proper labeling.	



Logbook Photo #	039
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Southeast
Date	01/29/08
Time	0942
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Pumping of North Pad Sump Area into the storm water drainage pathway.	



Logbook Photo #	040
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Northeast
Date	01/29/08
Time	0943
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Pumping of North Pad sump area into the storm water drainage pathway.	



Logbook Photo #	041
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	West-Southwest
Date	01/29/08
Time	0958
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description:	Pumping of Drum Pad containment area into the storm water drainage pathway.



Logbook Photo #	042
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	East
Date	01/29/08
Time	1004
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Pumping of Drum Pad containment area into the storm water drainage pathway.	



Logbook Photo #	043
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	East
Date	01/29/08
Time	1346
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Pooled storm water in New Tank Farm secondary containment area prior to discharge.	



Logbook Photo #	044
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	South
Date	01/29/08
Time	1417
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Pumping of pooled storm water in the New Tank Farm secondary containment area in to the sanitary sewer.	



Logbook Photo #	045
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Southwest
Date	01/29/08
Time	1421
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Pumping of pooled storm water in the New Tank Farm secondary containment area into the sanitary sewer.	

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Logbook Photo #	046
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Down
Date	01/29/08
Time	1425
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Bags of caustic soda to be added to the storm water in the Old Tank Farm secondary containment area to raise the pH and precipitate out the zinc.	



Logbook Photo #	047
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	East-Northeast
Date	01/29/08
Time	1426
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Two 300 gallon tote tanks for mixing caustic soda with storm water from the Old Tank Farm secondary containment area.	



Logbook Photo #	048
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Southeast
Date	01/29/08
Time	1447
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Pumping storm water from the Old Tank Farm secondary containment area into tote tanks for mixing with caustic soda.	



Logbook Photo #	049
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Southeast
Date	01/29/08
Time	1449
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Pumping storm water from the Old Tank Farm secondary containment area into tote tanks for mixing with caustic soda.	



Logbook Photo #	050
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Southwest
Date	01/29/08
Time	1450
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Pumping storm water from the Old Tank Farm secondary containment area into tote tanks for mixing with caustic soda.	



Logbook Photo #	051
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Southeast
Date	01/29/08
Time	1450
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Pumping storm water from the Old Tank Farm secondary containment area into tote tanks for mixing with caustic soda.	



Logbook Photo #	052
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Southeast
Date	01/29/08
Time	1451
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Pumping storm water from the Old Tank Farm secondary containment area into tote tanks for mixing with caustic soda.	



Logbook Photo #	053
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Northeast
Date	01/29/08
Time	1501
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Adding caustic soda into tote tank containing storm water from the Old Tank Farm secondary containment area.	



Logbook Photo #	054
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Northeast
Date	01/29/08
Time	1503
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Adding caustic soda into tote tank containing storm water from the Old Tank Farm secondary containment area.	

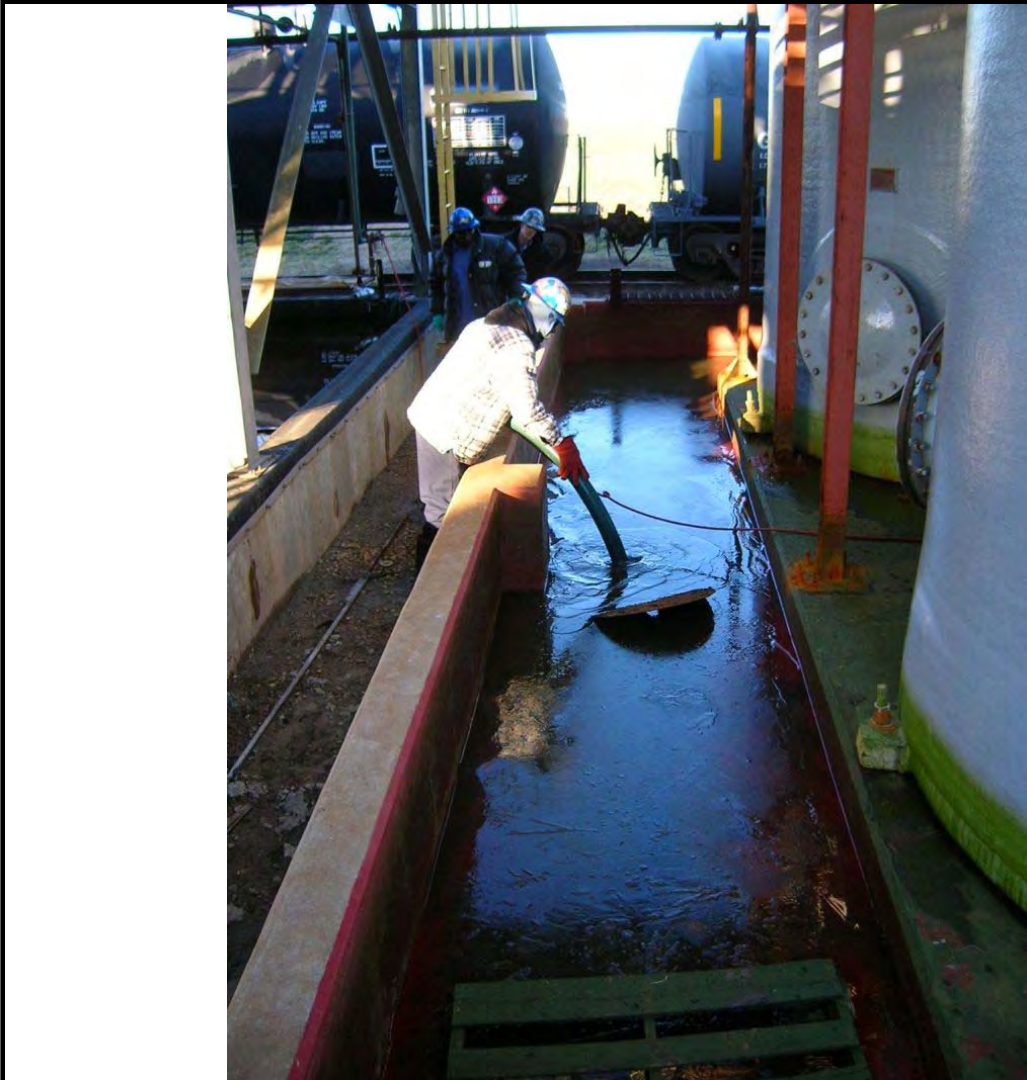
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Logbook Photo #	055
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Northeast
Date	01/29/08
Time	1512
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Circulating caustic soda with storm water from the Old Tank Farm secondary containment area.	



Logbook Photo #	056
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Northeast
Date	01/29/08
Time	1617
Photographer	Charles Fisher, Dynamac START-3
Witness	Troy Naquin, EPA Region 6
Description: Recording pH reading of Old Tank Farm secondary containment storm water after caustic soda has been thoroughly mixed.	



Logbook Photo #	057
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	West
Date	01/30/08
Time	0817
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description:	Pumping pooled storm water from New Tank Farm secondary containment area into sanitary sewer.



Logbook Photo #	058
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	West
Date	01/30/08
Time	0820
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Pooled storm water frozen in the Drum Pad containment area.	



Logbook Photo #	059
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	North
Date	01/30/08
Time	0835
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Pumping storm water out of Bulk Truck Loading containment area into the New Tank Farm secondary containment area.	



Logbook Photo #	060
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	West-Northwest
Date	01/30/08
Time	1034
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Measuring an amount of muriatic acid to add to the tote tank with storm water from the Old Tank Farm secondary containment area to raise pH and precipitate out zinc.	



Logbook Photo #	061
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	North
Date	01/30/08
Time	1038
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Adding muriatic acid to the tote tank containing storm water from the Old Tank Farm secondary containment area to raise pH and precipitate out zinc.	



Logbook Photo #	062
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	East-Southeast
Date	01/30/08
Time	1049
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description:	Pumping out the North Pad Sump area into the storm water drainage pathway.



Logbook Photo #	063
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	East
Date	01/30/08
Time	1110
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Discharging pooled storm water from the Drum Pad containment area into the storm water drainage pathway.	



Logbook Photo #	064
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	West-Northwest
Date	01/30/08
Time	1322
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: ERRS adding and mixing muriatic acid to the pooled storm water in the Old Tank Farm secondary containment area to raise pH and precipitate zinc.	



Logbook Photo #	065
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Down
Date	01/30/08
Time	1326
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: ERRS adding and mixing muriatic acid to the pooled storm water in the Old Tank Farm secondary containment area to raise pH and precipitate zinc.	



Logbook Photo #	066
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	South
Date	01/31/08
Time	0813
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Mixing pooled storm water in Old Tank Farm secondary containment area treated with muriatic acid.	



Logbook Photo #	067
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	North
Date	01/31/08
Time	0837
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Adding muriatic acid to the tote tank with storm water from the Old Tank Farm secondary containment area to raise pH and precipitate out zinc.	



Logbook Photo #	068
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	West-Southwest
Date	01/31/08
Time	0910
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: ERRS gauging aboveground storage tanks.	



Logbook Photo #	069
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	North
Date	01/31/08
Time	0930
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: ERRS gauging aboveground storage tanks.	



Logbook Photo #	070
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	North
Date	01/31/08
Time	1057
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: ERRS conducting bench scale study to determine how much muriatic acid is needed to precipitate out the zinc from the storm water in the Old Tank Farm secondary containment area.	



Logbook Photo #	071
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Down
Date	01/31/08
Time	1412
Photographer	Troy Naquin, Dynamac START-3
Witness	Charles Fisher, EPA Region 6
Description: Zinc precipitate at bottom of bucket.	



Logbook Photo #	072
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	South-Southwest
Date	01/31/08
Time	1416
Photographer	Don Edgington, CET ERRS
Witness	Troy Naquin, Dynamac START-3
Description: START-3 collecting representative storm water sample from the Old Tank Farm secondary containment area, after treatment, for laboratory analysis.	



Logbook Photo #	073
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	South-Southwest
Date	01/31/08
Time	1420
Photographer	Don Edgington, CET ERRS
Witness	Troy Naquin, Dynamac START-3
Description: START-3 collecting representative storm water sample from the Old Tank Farm secondary containment area, after treatment, to ship for laboratory analysis.	



Logbook Photo #	074
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	West
Date	04/01/08
Time	0934
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description: ERRS monitoring the discharge of pooled storm water from the New Tank Farm secondary containment area into sanitary sewer.	



Logbook Photo #	075
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	West
Date	04/01/08
Time	0936
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description:	Pumping pooled storm water from the New Tank Farm secondary containment area into sanitary sewer.



Logbook Photo #	076
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	West
Date	04/01/08
Time	0937
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description: Pumping pooled storm water from the Drum Pad secondary containment area into the storm water drainage pathway.	



Logbook Photo #	077
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Northwest
Date	04/01/08
Time	0939
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description: Pooled storm water from the Old Tank Farm secondary containment area prior to treatment.	



Logbook Photo #	078
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	North-Northeast
Date	04/02/08
Time	0803
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description: ERRS securing and changing out drum bungs.	

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Logbook Photo #	079
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	West
Date	04/02/08
Time	1025
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description:	EPA touring site with ADEQ representative in Warehouse.



Logbook Photo #	080
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	North
Date	04/02/08
Time	1255
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description: ERRS securing and changing out drum bungs.	



Logbook Photo #	081
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Southwest
Date	04/02/08
Time	1455
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description: ERRS gauging a railroad tank car.	



Logbook Photo #	081
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Southwest
Date	04/02/08
Time	1455
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description: ERRS gauging a railroad tank car.	



Logbook Photo #	082
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	South
Date	04/02/08
Time	1547
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description: View of storm water gate and storm water drainage pathway from site.	



Logbook Photo #	083
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	West
Date	04/02/08
Time	1548
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description:	View of storm water drainage pathway from site, flowing northwest under railroad tracks.



Logbook Photo #	084
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Northwest
Date	04/02/08
Time	1550
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description:	View of storm water drainage pathway discharge point from site flowing northwest from under the railroad track into an open field.

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Logbook Photo #	085
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	North-Northwest
Date	04/03/08
Time	1255
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description:	View of overpack drums containing the 10 drums of dibromobenzene sludge.



Logbook Photo #	086
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	South
Date	04/03/08
Time	1257
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description: ERRS transferring contents of deteriorating drums of bromoanisole and bromofluorobenzene into tote tanks for storage.	



Logbook Photo #	087
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Northwest
Date	04/03/08
Time	1259
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description: View of pooled storm water in the Old Tank Farm secondary containment area prior to treatment.	



Logbook Photo #	088
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	West
Date	04/03/08
Time	1259
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description:	View of pooled storm water in the New Tank Farm secondary containment area being pumped out into the sanitary sewer.



Logbook Photo #	089
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	North-Northwest
Date	04/03/08
Time	1311
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description: Pumping out of pooled storm water in the Old Tank Farm secondary containment area into a tote tank for bench scale testing.	



Logbook Photo #	090
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	North-Northwest
Date	04/03/08
Time	1655
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description: Adding muriatic acid to lower the pH in the pooled storm water in the Old Tank Farm secondary containment area.	

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Logbook Photo #	091
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	West
Date	04/03/08
Time	1657
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description: Circulating storm water in the Old Tank Farm secondary containment area after adding muriatic acid.	



Logbook Photo #	092
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	North
Date	04/04/08
Time	0859
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description: ERRS transferring the contents from deteriorating drums into tote tanks.	



Logbook Photo #	093
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	South
Date	04/04/08
Time	0901
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description: ERRS transferring the contents from deteriorating drums into tote tanks.	



Logbook Photo #	094
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Northwest
Date	04/04/08
Time	0903
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description: ERRS overpacking collapsed bromofluorobenzene drums.	



Logbook Photo #	095
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Northwest
Date	04/04/08
Time	0903
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description: ERRS overpacking collapsed bromofluorobenzene drums.	



Logbook Photo #	096
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	North
Date	04/04/08
Time	0906
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description: ERRS overpacking collapsed bromofluorobenzene drums.	



Logbook Photo #	097
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	West
Date	05/28/08
Time	0851
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description: Pooled storm water in Warehouse prior to pumping out.	



Logbook Photo #	098
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Northwest
Date	05/28/08
Time	0852
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description: Pooled storm water in Old Tank Farm secondary containment area prior to pumping out into sanitary sewer.	



Logbook Photo #	099
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	West - Southwest
Date	05/28/08
Time	0852
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description:	Pooled storm water in Old Tank Farm secondary containment area prior to pumping out into sanitary sewer.

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Logbook Photo #	100
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	West
Date	05/28/08
Time	0852
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description: Pooled storm water in New Tank Farm secondary containment area prior to pumping out into sanitary sewer.	

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Logbook Photo #	101
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	South
Date	05/28/08
Time	0853
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description: Pooled storm water in Forklift Path area prior to pumping out into sanitary sewer.	



Logbook Photo #	102
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	North
Date	05/28/08
Time	0854
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description:	Pooled storm water in Drum Pad containment area prior to pumping out into the storm water drainage pathway.



Logbook Photo #	103
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	West - Southwest
Date	05/28/08
Time	1008
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description: ERRS changing out and securing drum bungs.	



Logbook Photo #	104
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	North
Date	05/28/08
Time	1431
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description: Pumping out pooled storm water from Warehouse into the Old Tank Farm secondary containment area.	

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Logbook Photo #	105
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	West
Date	05/28/08
Time	1431
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description:	Pumping out pooled storm water from Warehouse into the Old Tank Farm secondary containment area.



Logbook Photo #	106
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	East
Date	05/28/08
Time	1604
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description: Pumping out pooled storm water from the Drum Pad containment area into the storm water drainage pathway.	



Logbook Photo #	107
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	East - Northeast
Date	05/28/08
Time	1738
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description: Pumping out pooled storm water from the Forklift Pad area into the Old Tank Farm secondary containment area.	



Logbook Photo #	108
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	North
Date	05/28/08
Time	1741
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description:	View of Drum Pad containment area after pumping out the pooled storm water.



Logbook Photo #	109
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	South
Date	05/28/08
Time	1743
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description: Pumping out of tote tanks containing Warehouse storm water from 4/1/08 and contact storm water from Process Area.	



Logbook Photo #	110
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Northeast
Date	05/28/08
Time	1743
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description: Pumping out of tote tank containing Process Area contact water from 4/3/08 into Old Tank Farm secondary containment area then into sanitary sewer.	

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Logbook Photo #	111
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Northeast
Date	05/28/08
Time	1756
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description: Pumping out of pooled storm water in the Bulk Truck Loading Pad area into Old Tank Farm secondary containment area then into sanitary sewer.	

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Logbook Photo #	112
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	West
Date	05/28/08
Time	1758
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description:	Absorbent material replaced around overpack drums in Warehouse.



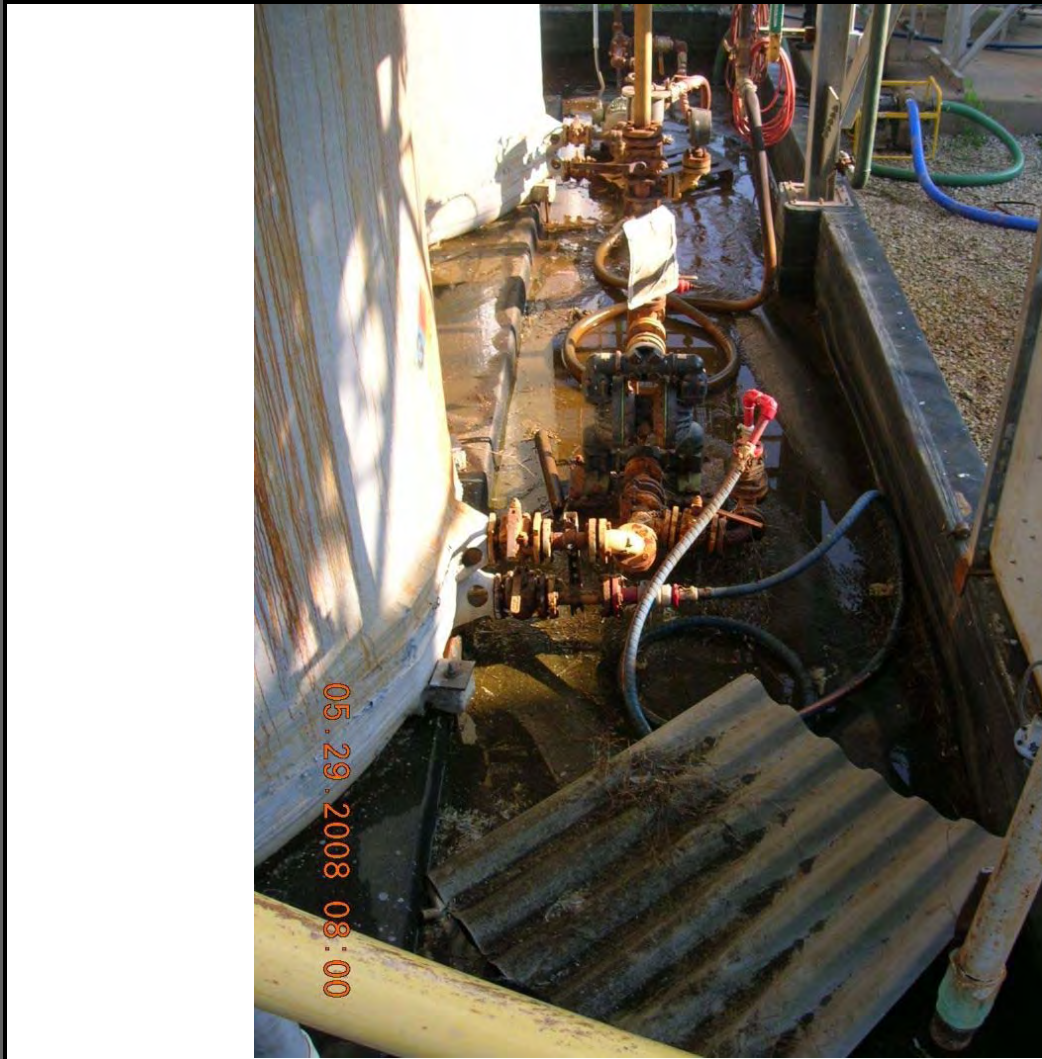
Logbook Photo #	113
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	West
Date	05/29/08
Time	0740
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description:	Pumping Old Tank Farm secondary containment area pooled storm water into sanitary sewer.



Logbook Photo #	114
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Southeast
Date	05/29/08
Time	0742
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description:	Pumping pooled storm water in Process Area into the Old Tank Farm secondary containment area then into sanitary sewer.



Logbook Photo #	115
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	North - Northeast
Date	05/29/08
Time	0751
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description: Pooled storm water in Process Area.	



Logbook Photo #	116
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Down
Date	05/29/08
Time	0800
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description: View of the Old Tank Farm secondary containment area after the pooled storm water was pumped out into the sanitary sewer.	



Logbook Photo #	117
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Down
Date	05/29/08
Time	0801
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description: View of the Old Tank Farm secondary containment area after the pooled storm water was pumped out into the sanitary sewer.	



Logbook Photo #	118
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Down
Date	05/29/08
Time	0804
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description: ERRS securing drum bungs.	



Logbook Photo #	119
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	South
Date	05/29/08
Time	0906
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description: Pumping out pooled storm water from the New Tank Farm secondary containment area into the sanitary sewer.	

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Logbook Photo #	120
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	West
Date	05/29/08
Time	0907
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description:	View of the Old Tank Farm secondary containment area after the pooled storm water was pumped out into the sanitary sewer.

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Logbook Photo #	121
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	West
Date	05/29/08
Time	0909
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description: View of the Warehouse area after the pooled storm water was pumped out.	

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Logbook Photo #	122
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	West - Southwest
Date	05/29/08
Time	1014
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description: Pumping down pooled storm water in New Tank Farm secondary containment area into the sanitary sewer.	

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Logbook Photo #	123
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Northwest
Date	05/29/08
Time	1042
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description: ERRS changing out drum bungs on containers staged in the Drum Pad area.	



Logbook Photo #	124
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	West
Date	05/29/08
Time	1050
Photographer	Troy Naquin, Dynamac START-3
Witness	NA
Description:	View of the New Tank Farm secondary containment area after the pooled storm water was pumped out.



Logbook Photo #	125
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	North - Northwest
Date	07/22/08
Time	1048
Photographer	Steve Cowan, Dynamac START-3
Witness	NA
Description: ERRS cutting grass along front drainage ditch at site.	



Logbook Photo #	126
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	West
Date	07/23/08
Time	1610
Photographer	Steve Cowan, Dynamac START-3
Witness	NA
Description: ERRS opening valve on AST IT-04 to release pressure inside the tank.	



Logbook Photo #	127
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	West
Date	07/23/08
Time	1726
Photographer	Steve Cowan, Dynamac START-3
Witness	NA
Description:	View of the cleaned secondary containment area in the Old Tank Farm.



Logbook Photo #	128
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	North
Date	07/23/08
Time	1726
Photographer	Steve Cowan, Dynamac START-3
Witness	NA
Description: Another view of the cleaned secondary containment area in the Old Tank Farm.	



Logbook Photo #	129
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	East
Date	07/23/08
Time	1727
Photographer	Steve Cowan, Dynamac START-3
Witness	NA
Description: View of drums containing floor sweep from the Old Tank Farm secondary containment area.	



Logbook Photo #	130
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	East
Date	07/24/08
Time	0801
Photographer	Steve Cowan, Dynamac START-3
Witness	NA
Description: ERRS checking the integrity of the drum bungs in the South Pad area.	

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Logbook Photo #	131
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Northwest
Date	07/24/08
Time	0829
Photographer	Steve Cowan, Dynamac START-3
Witness	NA
Description:	ERRS checking the integrity of the drum bungs near Bulk Truck Loading area.



Logbook Photo #	132
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	North
Date	07/24/08
Time	1010
Photographer	Steve Cowan, Dynamac START-3
Witness	NA
Description:	
View of corroded drum containing bromomethyltoluene (crude) inside salvage drum.	



Logbook Photo #	133
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	North
Date	07/24/08
Time	1011
Photographer	Steve Cowan, Dynamac START-3
Witness	NA
Description: View of two salvage drums, without lids, containing corroded drums.	



Logbook Photo #	134
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	North
Date	07/24/08
Time	1453
Photographer	Steve Cowan, Dynamac START-3
Witness	NA
Description: ERRS changing out drums bungs in Drum Pad area.	



Logbook Photo #	135
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Northwest
Date	07/25/08
Time	0819
Photographer	Steve Cowan, Dynamac START-3
Witness	NA
Description: ERRS transferring the contents of a partially collapse drum into a 250-gallon tote tank.	



Logbook Photo #	136
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	North
Date	07/25/08
Time	1009
Photographer	Steve Cowan, Dynamac START-3
Witness	NA
Description:	View of drums staged in the Drum Pad area.



Logbook Photo #	137
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	West
Date	07/25/08
Time	1010
Photographer	Steve Cowan, Dynamac START-3
Witness	NA
Description: View of ERRS inspecting the drums staged in the Drum Pad area.	

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Logbook Photo #	138
US EPA ID / Task Order Number	ARR000005843 / TO-0001-08-01-01
Site	Diaz Intermediates Corporation
Location Address	301 Wyanoke Road
City, State, ZIP code	West Memphis, Arkansas 72301
County	Crittenden
Direction/Orientation	Southwest
Date	07/25/08
Time	1026
Photographer	Steve Cowan, Dynamac START-3
Witness	NA
Description:	View of tote tanks stored in Warehouse containing material transferred from drums.

APPENDIX H

Copy of Site Logbook

Diaz Intermediates Removal

West Memphis, Crittenden County,
Arkansas

TDD# TO-0001-08-01-01

Start Date: 1/9/08

End Date: 7/25/08

CONTENTS

[illegible]

0730 START-3 Juvy Naguen; EPA OSC Charles
Fisher, ERW Rm Don Edgington,
ERW field chem Mike Murphy, Gerald
Wangze, Shawn Warlock, and Phil
Mc Cormick arrived on-site.

0745 START-3 and ERN held site

safety meeting

START-3 objectives: - contractor oversight, written and photographic documentation

ERNS objectives - transfer or overall
leaking sum

Weather - mostly sunny, highs in the upper 50s. Wind about 5 to 10 mph.

0805 Safety meeting over - ERAI began preparing equipment and supplies

0830 START-3 and ERN conductivity site
well through.

0930 ADEA Battle Albers with Jones home
with quality. Review around a note.

0740 EPA Reps, ADEQ Workers, and Mr Edgington discussed discharge of polluted water at the site.

10:10 Forklift arrived on-site

1030 EPA, ADEQ, and STAM-3 began walk-through
for stormwater discharge

— Roger Paquet

11/9/08 Dry Intermediate Removal TDD#70-0001-08-01-01

1045 START-3 collected pH readings from the AST and drum and secondary containment area as from pooled water on site and all readings were a pH of 6. ERRI continued to make forklifts from warehouse to clean debris to move leaking drum.

1105 ERRI moved leaking drum in center of warehouse to access for pumping out. EPA and ERRI decided to pump drum out into ^{TMD 11/1/08} ~~the~~ ₃₀₀ ^{TMD 11/1/08} ~~the~~ _a ^{TMD 11/1/08} ~~the~~ _{yellow tote tank}

1135 ERRI completed re-staging leaking drum in warehouse.

1145 EPA, START-3, and ERRI off-site for lunch.

1240 EPA, START-3, and ERRI on-site from lunch.

1242 Oregon drum arrived on-site.

1315 START-3 told ERRI to ask to re-
bing drum with damaged bungs.

1330 START-3 and ERRI noted that many plastic bungs had deteriorated to the point where they have to be changed out.

1500 ERRI continued securing containers and making preparations to transfer the contents from the leaking drums.

1600 ERRI continued activities as stated in 1500 hrs entry.

→ Roger Nagurni

11/9/08 Dry Intermediate Removal TDD#70-0001-08-01-01

1715 START-3 completed draft POLREP #1 and posted onto the EPA OSC net website.

1730 EPA, START-3, and ERRI securing site for the day.

1740 EPA, START-3, and ERRI off-site.

1745 Summary of Events on 11/9/08

- EPA, START-3, and ERRI mobilized to the site.
- Damaged or broken drum bungs were changed out.
- ADEC visited the site and coordinated with EPA for storm water sampling and discharge.
- Leaking drum in warehouse were re-staged for transfer.
- ERRI made preparation to transfer drum containing dibromobenzene into tote tanks.

→ Roger Nagurni

11/14/03 Orig. Intermediates Removal TAP# TC-0001-06-01-01

0715 EPA, START, and ERRI arrived on site.

0730 START-3 and ERRI held site safety meeting - see site safety meeting form.
Weather - showers and thunderstorms turning partly cloudy, high 60°F, winds S.W. 15 to 10, 80% chance of rain.
START-3 Objectives - continue over night, written and photographic documentation and stormwater sampling and packaging.
ERRI Objectives - pump water out from warehouse and transfer material from the 23 drums of dibromobenzene.

0745 Safety meeting over. ERRI began operations to pump water out of warehouse. Heavy rain began to fall.

0800 ERRI pumping water out of warehouse area into A51 secondary containment area.

0930 ERRI completed pumping water out of warehouse and continued preparations to pump out the 23 drums of dibromobenzene.

1110 ERRI began transferring the dibromobenzene from the drums into a plastic tote tank.

1135 ERRI determined that they needed a bigger air compressor to pump out the drums. Thunderstorms ended.

J. M. Nagurni

11/14/03 Orig. Intermediates Removal TAP# TC-0001-06-01-01

1200 EPA, START, and ERRI off-site for lunch.

1238 START-3 returned to site from lunch to prepare for stormwater sampling including a HASP amendment.

1300 EPA and ERRI returned to site from lunch. START-3 continued preparations for storm water sampling. ERRI purchased a new air compressor for use in transferring drum contents into tote tanks.

1400 START-3 and EPA began storm water sampling.

1405 Collected storm water sample DIC-SW01 from the Old Tank Farm secondary containment area.

1411 Collected storm water sample DIC-SW02 from the New Tank Farm secondary containment area.

1425 Collected storm water sample DIC-SW03 from Drum Pad secondary containment area. ERRI continued transferring drums containing dibromobenzene into tote tanks.

1432 Collected stormwater sample DIC-SW04 from pump area located between the Tank Farm Pad and the North Pad.

1453 Collected storm water sample ^{Tank Farm} ~~SW~~ DIC-SW05 from Bulk Tank Loading Pad area.

J. M. Nagurni

1/14/08 Orig Intermediate Site TDA#TC-0001-08-01-01

1459 Collected storm water sample DIC-SW06

from the storm water drainage pathway
near the storm water gate.

Site Ety: The West Memphis Area Dept

Chief Eddie Spears (870-732-7501)

visited the site and gathered OSC debris.

1505 Completed collecting stormwater samples

and began chain-of-custody and

sample packaging. ERNS continued

pumping drums of dibromobenzene into

toke tanks.

1700 Completed sample packaging and chain-of-

custody. All samples were placed on ice

and sealed in two coolers with COC seals.

1715 ERNS completed transferring the contents of

19 drums in toke tanks and began securing site.

1737 Federal Express arrived on material picked

up the 2 coolers of storm water samples.

1750 EPA, STANT-3, and ERNS off-site.

1800 Summary of Events on 1/14/08

- collected and submitted 6 storm water

samples to a ERNS procured lab for analysis

- ERNS pumped water out of warehouse

- ERNS transferred the contents of 19 drums into

toke tanks

From Noguera

1/14/08 Orig Intermediate Site TDA#TC-0001-08-01-01

Sample Log

ID	Location	Time	E/G	Media	Pres	Analysis
DIC-SW01	Old Tank Farm	1405	G	Water	HCl HNO ₃ NaOH Ice	8260, BOD, TSS/pH, Cyanide, Metals, Oil and Grease
DIC-SW02	New Tank Farm	1411	G	Water		
DIC-SW03	Drum Pad	1425	G	Water		
DIC-SW04	Sugarcane between Tank Farm and North Pads	1432	G	Water		
DIC-SW05	Bulk Tank Loading Pad	1453	G	Water		
DIC-SW06	Storm Water Drainage Pathway	1459	G	Water		

The six oil & grease samples were rendered on COC from number 1154586. The remaining samples with a Trip Blank were rendered on COC from number 1154587. All samples were placed on ice and sealed in 2 coolers with COC seals.

From Noguera

11/11/08 Day Intermediate TDD#TC-0001-08-01-01

0710 START-3 and ERN PM arrived on-site

0715 EPA OSC arrived on-site.

0730 ERN field tech and techs arrived on-site.

0740 START-3 and ERN held site safety meeting

Weather - Mostly sunny, high ~ 50°F,
winds WSW at 5 to 10 mph, 20% chance of rain

START-3 Objectives - contractor over sight,
written and photographic documentation

ERN Objectives - pump out 3 remaining drums
of dibromobenzene and stabilize site underlying
water in process area.

0820 ERN pumping water out of process area
into the old tank farm area. START-3

look for dibromobenzene labels. ERN
also preparing to pump out the 3 remaining
drums of dibromobenzene into 300-gallon tote

0915 ERN completed pumping out the dibromobenzene
drums into three 300-gallon tote tanks.

0920 START-3 updating EPA OSC report.

0950 START-3 completed drafting POLREP #2
on EPA OSC report.

1030 ERN estimated that approximately 550
gallons of dibromobenzene (R) was transferred
from the 23 drums into the 3 tote tanks.

Jason Ragun

11/11/08 Day Intermediate TDD#TC-0001-08-01-01

1045 ERN decommissioning ^{Tan 4/11} pumps and
boxes for denoble and stabilizing
containers in process area.

1215 EPA, START-3, and ERN off-site for lunch

1315 EPA, START-3, and ERN on-site for lunch.

ERN overpacked some of dibromobenzene
drums that contained sludge and overpiled
PPE.

1500 ERN overpacked 13 drums containing
the dibromobenzene sludge that was
not pumpable. The remaining 10 drums
were palletized and placed in poly
containment berm.

1600 ERN continued stabilizing drums in the
process area and on-site. The three
tote tanks containing the dibromobenzene
were properly labeled.

1700 ERN completed activities (technicians)
and demobilized from the site.

1725 EPA, ERN PM and Field Tech, and START-3
departed site for the day.

Jason Ragun

11/29/08 Dig Intermediate. Remove TDS# TC-0001-08-01-01

0730 START-3 Naquin, ERNOSC Dishes, ERNOS RM
Ed Spigler, ERNOSC Clerk Murphy, and
Technicians Harold Wiggins, Sharon Wallace,
and Rebecca McCormick arrived on site.

0740 START-3 held site safety meeting - see site
tailgate safety meeting form for details.

START-3 Objective: written and photographic
documentation, and contractor overnight

ERN will pump out new tank from (01C-5002)
and (01C-5005) Bulk Fuel Loading Pad into
sanitary sewer. City was on-site this

morning and open the ^{TMR 11/29/08} stormwater sanitary
sewer. Problem water in Drum Pad (01C-5003)
and 01C-5004 will be pumped toward storm
water discharge gate.

Weather - rainy, windy, High temp ~ 60°F,
precip ~ 80%, Winds S/W at 25 to 40 mph
humidity ~ 93%, Sunset 5:26 PM.

0830 ERNOS setting up to pump out water from
the North Pad area.

0915 ERNOS pumped out about 250 gallons of
water from the North Pad area.

0958 ERNOS moved pump and began pumping
water out of the Drum Pad Area
into the stormwater drainage pathway

— Frog - Naquin —

11/29/08 Dig Intermediate. Remove TDS# TC-0001-08-01-01

1017 ADEO representative Dennis Greene,
Les Brancum, and Jerry Sligh
arrived on-site to conduct a
preliminary assessment.

1030 ERNOS pumped out the Drum Pad Area
for 20 minutes @ 1 gallon/minute =
1600 gallons.

1035 Heavy rain began to fall.

1130 Heavy rain continued to fall with
lighter in area. ERNOS suspended
work and broke for lunch.

1240 Rain slowing down. ERNOS returned from
lunch and preparing to pump out
Tank Dam #2 (new) and Bulk
Fuel Loading Pad secondary
containment areas into the city's
storm sewer system.

1250 ADEO representative departed site. Rain
continued to fall.

1300 ERNOS setting up pump and hoses to
pump out water in the ~~Old~~ ^{TMR 11/29/08}
New Tank Dam secondary containment
area.

1330 ERNOS pumping water out of New Tank Dam Area
into the sanitary sewer.

— Frog - Naquin —

18
1/29/08 Drag Intermediate Removal TOP#TC-0001-08-01-01

1415 EPRS setting up pumps and tote tanks to pump water out of the old Ford Dam Area for treatment with Sodium Hydroxide.

1445 EPRS began transferring water from the old Ford Dam secondary containment area into a 300-gallon tote tank.

1501 EPRS adding Sodium Hydroxide to tote tank with water from old Ford Dam secondary containment area to circulate and raise the pH from 4.2.

1600 EPRS continued circulating water from old Ford Dam in the tote tank and pumping water out of the old Ford Dam secondary containment area into the sanitary sewer.

1617 START-3 recorded a pH reading of 10.750 from the water circulated in the tote tank. EPRS will pump out into old Ford Dam secondary area and re-try circulating the water to get gain to prep.

Note: EPRS added 100 lbs per 250 gallons in each tote tank.

1730 EPRS completed emptying and re-transferring water from old Ford Dam and added 25 lbs per 250 gallons.

Trym Naguin

13
1/29/08 Drag Intermediate Removal TOP#TC-0001-08-01-01

1730 START-3 Naguin recorded a pH of 10.750 from the 2 tote tanks with 25 lbs of caustic soda per 250 gallons.

1740 EPRS began securing the site for the day.

1745 EPRS field clerk and technician departed site for the day.

1755 EPA, START-3, and EPRS RM departed site for hotel.

Trym Naguin

1130/08 Drig Intermediate Removal T00#TC-0001-08-01-01

0715 START-3 Naquin arrived on-site

0720 ERRS RM Elleginton arrived on-site

0729 EPA OSC, ERRS field tech, and ERRS three technicians arrived on-site

0733 START-3 held site safety meeting - see site safety meeting form attached to HASP

Weather: Sunny, High ~43°F, winds E at 5 to 10 mph, 0% chance of rain, humidity 69%

Objectives - written and photographic documentation, contractor over sight

ERRS Objectives - Pump out Old Tank Dam secondary North Pond Sump Area, check pH of water in the 2 tote tanks, continue removing all abutting pH of Old Tank Dam secondary containment, discharging water from the Ball's Truck Loading Area.

0820 START-3 collected pH Test 2. Collected readings from the two tote tanks mixed with 2.5 lbs of 2.50 gallon in each tank and recorded a pH of 11.75. Temperature was 46.0°F.

0845 Collected readings from around the Old Tank Dam secondary containment area and recorded pH readings of 11.7 to 12.

Tracy A. Naquin

1/30/08 Drig Intermediate Removal T00#TC-0001-08-01-01

0846 ERRS preparing to pump out the Ball's Truck Loading Pad into the New Tank Dam secondary containment then into sanitary sewer. Water from the North Pond sump area will be pumped into the storm water drainage.

0848 OSC Mike contacted Denise Borsini at 870-702-5141 of the city's Director of Environmental Quality to assist with a pH reading for the Old Tank Dam secondary containment area. She will send a technician to assist.

0915 City representatives arrived on-site to assist with a pH reading from the Old Tank Dam secondary containment area and recorded a reading of pH 12 to 12.5

1038 ERRS added 12oz of Muratic Acid to each tote tank of 2.50-gallons and mixing for 5 minutes

1100 Retested pH, recorded a reading of 11.5. ERRS added another 12oz of Muratic Acid to one of the tote tanks, mixed, and let set for 1 hour.

1145 All personnel off-site for lunch

1245 All personnel on-site from lunch.

Tracy A. Naquin

11/30/08: Dig Intermediate Remnant T04H TO-001-08-01-01

1319 ERRI continues pumping water from the North Pad. Long Over to the stormwater drainage pathways and water from its New Tank Dam secondary containment area to the sanitary sewer.

1345 ERRI adding 12, then 24 milliliters of 3M ^{11/30/08}

1330 ERRI adding 256 milliliters of 3M Muratic Acid to the Old Tank Dam containment area to drop pH as it did not succeed. Therefore, ERRI began conducting a bench scale test with 3 gallons of water.

1435 ERRI was able to drop the pH from 12 to 7 in 3 gallons of water by adding 70 milliliters of 3M Muratic Acid. Therefore, ERRI calculated that it will take 18 gallons of 3M Muratic Acid to 4,000 gallons of water based on using 50 ml/gal as working from there.

1500 ERRI pumped out water to the sanitary sewer for 28 minutes at a rate of 780 gal/min.

1530 ERRI added another 24 oz. of Muratic Acid to the 124 gal (1.2) that was added in total tank for a total of 25 oz to 250 gallons.

7:00 pm - 7:00 pm

11/30/08 Dig Intermediate Remnant T04H TO-001-08-01-01

1550 Recorded a pH reading of 11.1 and water temp of 48.70°F for the 250 gal of Muratic Acid to 250 gallons. ERRI added another 24 oz of Muratic Acid for a total of 49 oz to 250 gallons and began circulating for 15 minutes.

1605 ERRI added 4 gallons to the 256 gal of Muratic Acid to the Old Tank Dam secondary containment area and began circulating to mix.

1630 Collected another pH reading from tote tank after 15 minutes of circulation with 49 oz of Muratic Acid for 250 gallons and recorded a reading of 11.1. ERRI added another 24 oz for a total of 73 oz and began circulating.

1632 ERRI adding another gallon of Muratic Acid to the old tank dam containment area and continued mixing.

1656 Collected a pH reading of 11.1 from tote tank; therefore ERRI added another 24 oz for a total of 97 oz in the tote tank. ERRI also adding another 5 gal to the 250 gallons for a total of 5 gal to the secondary containment area.

7:00 pm - 7:00 pm

1/30/08 Diag Intermediate, Removal TOUATC-0001-08-01-01

1730 Collected another pH reading with 97 oz of Muriatic Acid with 250 gallons and recorded a pH reading of 11.1

1735 ERPS began securing the site for the night

1745 ERPS field clerk and technician departed site for the day.

1758 EPA Yorks, START-3 Nagurni, and ERN Elington departed site for the day

1800 Summary of Events on 1/30/08

- Total to storm drain - 4,000 gal
- Total to sanitary sewer - 9,950 gal
- Continued treating O&A T&E water to lower pH and precipitate the zinc.

↑ not in Nagurni

1/31/08 Diag Intermediate Removal TOUATC-0001-08-01-01

0715 EPA OSC, START-3, and ERN RM arrived on-site

0730 ERPS field clerk and technician arrived on-site

0737 START-3 Nagurni held site safety meeting. See daily tobsite safety meeting form attached to HASP.

Weather - light rain with possible freezing rain today and possible thunder storms, high today ~ 37°F, chance of rain ~ 100%, Wind E at 10 to 20 mph, humidity ~ 73%

START-3 Objectives - contractor oversight, written and photographic documentation, and sampling of secondary containment water after treating for submission to the lab

0740 ERPS Objectives - continue treating the secondary containment area water, de-water North Pad ring over and Drum Pad secondary containment, and check the plastic bungs on the drums.

0800 Safety meeting over. ERPS preparing to continue circulating water in the O&A T&E secondary containment area and working on adjusting pH in the 250 gallons tote tank.

↑ not in Nagurni

1/31/08 Dig Intermediates Removal TDS# TO-0001-08-01-01

0825 Checked pH in 250-gallon of water in tote tank with 97g of Muratic Acid added and recorded a pH of 11.1.

0837 ERKS added another 60g of Muratic Acid to tote tank and began stirring.

0900 ERKS and START-2 began jacking the AVTs in the Old and New Tank Farm.

Gallon	Tank ID	Measurement	Volume (ft ³)
47.3 gal/in	IT 01	8 in	378.4
57.5 gal/in	IT 02	12 ft	8,240.0
47.3 gal/in	IT 03	15 ft	8,514.0
57.5 gal/in	IT 04	14 ft 2 in	9,775.0
59.7 gal/in	IT 05	14 ft 3 in	10,208.9
	IT 06	15 ft 6 in	11,104.2
	IT 07	15 ft	10,774.0
59.7 gal/in	IT 08	10 ft 2 in	7,283.4

0933 Rain/heavy rain mix began to fall.

0945 Conducted another pH in tote tank and recorded ^{TAH/2} a pH of 11.1.

0950 Heavy rain/heavy rain began to fall.

1023 ERKS added another 19g of Muratic Acid to the tote tank for a total of 176g to 250 gal. However, they had added 12g earlier for a total of 188g to 250 gal of secondary containment water.

Tracy Nguyen

1/31/08 Dig Intermediates Removal TDS# TO-0001-08-01-01

1100 Collected another pH from tote tank and recorded 11.1. Therefore, ERKS removed 3.25 gallons of water from the secondary containment area to conduct another bench scale test.

1120 ERKS was able to drop the pH from 12 to 9 with 6.5 ml of Muratic Acid. Rain continued to fall.

1155 ERKS departed site for lunch. START-3 Nguyen remained on-site.

1200 Gate Entry: OSC Gruba departed site at 0905 hours this morning.

1215 OSC Gruba called and START-3 Nguyen briefed him on site activities today. Slight rain continued to fall.

1305 ERKS returned from lunch. Slight rain continued to fall. ERKS continued scrubbing water in secondary containment area.

1330 START-3 preparing to collect water sample OLC-SW01A for water tested from Old Tank Farm secondary containment area.

1400 ERKS began cleaning equipment and securing site for demolition.

Tracy Nguyen

1/31/08 Day Intermediates Removal TOP# TD-0001-08-01-01
 1430 START-3 Nagurni ~~collected~~ ^{T.M.N.} 1/31/08 collected representative water sample from the Old Tank Farm secondary containment area for the following analytes: BOD, TSS, pH, Cyanide, 8260, Metals with PCA8 plus Copper, Nickel, and Zinc. The sample was labeled DIC-SW01A.

1445 START-3 Nagurni packaging and perform chain of - custody for sample DIC-SW01A. ERM continued with activities to demolish site.

1530 START-3 Nagurni gave ERM Ron Edgerton the site keys to make a copy for the City of West Memphis Fire Chief who will have the power turned off tomorrow.

1600 Ted Ex arrived on site and START-3 Nagurni relinquished water sample ^{PM 1/31/08} DIC-SW01A for shipment to Pace Analytical in St. Louis, LA.

1700 START-3 and ERM resumed and departed site.

1800 Summary of Events on 1/31/08

- continued treating water to lower pH
- gauged 8 ASTs
- collected and shipped one representative water sample from the Old Tank Farm containment area.

by Nagurni

1/31/08 Day Intermediates Removal TOP# TD-0001-08-01-01

0815 START-3 Nagurni arrived at the Day Intermediates site in West Memphis, AR. ERM on-site since 0700 hours. ERM gauged out North Drain Pad area into drainage (stormwater). ERM suggested containment for Package and preparing to pump at New Tank Farm secondary containment area.

0825 START-3 Nagurni held site safety meeting see Daily Tailgate Safety Meeting form.

Weather - morning showers turning mostly cloudy, high ~ 60 °F, Wind N at 10 to 20 mph, 10% chance of rain.

START-3 Objective - contractor oversight, written and photographic documentation. ERM - gauged out water from secondary containment areas and secure containers.

1130 ERM continued gauging down North Tank Farm containment area and the Rock Split Path.

1158 START and ERM departed site for lunch.

1305 START and ERM off lunch break. Arr. back on-site.

by Nagurni

4/1/08 Day 1 Intermediate Removal TOOTHCO-0001-08-01-01

1330 ERRS completed pumping out of the New Tank Xam secondary containment area and preparing to pump warehouse stormwater into tote tanks for storage.

1418 START-3, EPA, and ERRS tour site to observe current site conditions.

1600 ERRS filled two tote tanks with stormwater from the warehouse and they are currently walking the site to evaluate containment.

1658 START-3 used a PH Tester 2 and recorded a pH reading of 10.8 from the Old Tank Xam secondary containment area.

1725 ERRS securing site for the day.

1730 START-3 Naquni departed site for the day.

3:00 pm Naquni

4/2/08 Day 2 Intermediate Removal TOOTHCO-0001-08-01-01

0720 START-3 Naquni arrived on-site. EPA and ERRS already on-site.

0724 START-3 Naquni held site safety meeting see Daily Safety Meeting Form.

Weather - Mostly cloudy, slight chance of rain, ~20% chance, high ~61°F, winds NE at 10 to 20 mph.

START-3 objectives - written and photographic documentation, contracts over night.

ERRS - secure containment.

0830 ERRS dressed out, Saul C PPE and began venting bulging or collapsed drum.

0915 Jim Kubny, a former Dayco employee, arrived on-site to provide EPA with information on the facility.

1015 Jim Kubny departed site after speaking with ERRS about providing technical expertise during the removal.

1030 ERRS continued venting and securing containers.

1115 Ann Blake of ADED arrived on-site to meet with EPA Charles Busch.

1153 START, EPA, and ADED completed site walk through.

2:00 pm Naquni

4/2/08 Diag Intermediate Removal TMO#TO-0001-08-01-01

1155 Joliff arrived on-site.

1205 EPA, START, ERRL, and ADEQ off-site for lunch.

1310 EPA, START, ERRL, and ADEQ on-site from lunch.

1330 ERRL continued securing containers and making room on the Drum Pad to transfer product from deteriorating drums into tote tanks.

1417 ADEQ Blake departed the site.

1448 ERRL began ^{from 1408} gauging gauging railroad tank cars and continued staging drums for transferring into tote tanks.

1655 ERRL completing gauging railroad tank cars (see page for details) and continued preparing to transfer drums into tote tanks.

1730 ERRL continued preparation to transfer deteriorating drum contents into tote tanks.

Anger. Noqueus

4/2/08 Diag Intermediate Removal TMO#TO-0001-08-01-01

Railroad Tank Car Inventory

49/20	12"	CAPY 16,284 Gd	Bromo Fluorobenzene
		LO LMT 200,900 lbs	
2036	1"	1993	FB (F) MARS
		CAPY 16,297 Gd	
		LO LMT 200,300 lbs	
28/46	44"	2387	Fluorobenzene FB (F) Dupont
		CAPY 23,747 Gd	
		LO LMT 190,900 lbs	
49/81	70"		XBT (T)
		CAPY 23,509	
		LO LMT 188,700 lbs	
* * * * * fence * * *			
20358	0"		FB (F) MARS
11/54	56 1/2"		XBT (T)
20364	3"		FB (F) MARS

Anger. Noqueus

4/3/88 Daily Intermediate Removal TDO#10-0001-08-01-01

0652 START, EPA, and ERRI on-site.

0655 START Nagui held site safety meeting - see daily tagata safety meeting form.

Weather - scattered thunderstorms with a few severe storms. High ~74°F, winds SSE at 10 to 20 mph. 60% chance of rain.
Degree of Work:

STARTS - contractor oversight, written and and photographic documentation.

ERRI - transfer contents of deteriorating drums into tote tanks, neutralize contents of pooled liquid in the Old Tail Dam secondary containment area, and overpack the 12 remaining drums in the warehouse.

0730 ERRI moving drum transfer operation into warehouse from Drum Pad due to approaching inclement weather.

0925 ERRI began transferring contents of deteriorating dibromobenzene drums into tote tanks. Rain continues to fall.

1030 Work suspended due to lightning. ERRI transferred about 5 drums of dibromobenzene into tote tanks.

1100 EPA and ERRI off-site from Lunde.

1220 ERRI on-site from Lunde.

— Progn Nagui —

4/3/88 Daily Intermediate Removal TDO#10-0001-08-01-01

1225 Inclement weather stopped. ERRI

began overpacking the remaining 10 drums containing dibromobenzene into metal overpack drums. ERRI continued with pinging out of deteriorating drums of bromofluorobenzene and bromoaniline.

1255 ERRI completed overpacking of the 10 dibromobenzene drums in warehouse.

1300 ERRI preparing to treat stormwater in the Old Tail Dam containment area with mercuric acid to lower pH for 10.8.

1340 ERRI continued pinging ^{with} out of deteriorating drums of bromofluorobenzene and bromoaniline. ERRI also preparing to ping water in the process area into a tote tank.

1420 One drum of hydrochloric acid had the bung fail and rain water had entered the drum. A reaction occurred but was slowly down. ERRI will remove drum and replace the bung. Also ERRI pinged out one tote tank volume (300 gal) of stormwater from the process area. The remaining water will be pinged into the New Tail Dam containment area.

— Progn Nagui —

4/3/08 Drag Intermediate Removal TPO# TO-0001-08-01-01

1435 ERRI pumped out another 1950 gallons from Proven Area into the New Tank 8 am containment area and one currently pumping out the New Tank 8 am secondary containment area into the sanitary sewer.

1515 ERRI began adding muratic acid to the Old Tank 8 am secondary containment area and began circulating to lower pH.

1630 ERRI transferred 13 drums of bromomethane (275 gal) into 2 tote tanks and 3 drums of bromofluorobenzene into 1 tote tank (275 gal)

1635 ERRI moving containers around in warehouse to make room for the 3 tote tanks.

1755 ERRI continued circulating water in the Old Tank 8 am containment area and finished moving the tote tank filled today into the warehouse. ERRI also transferring contents of deteriorating bromotoluene drums into tote tanks.

1830 ERRI completed activities for the day and second site. START and ERRI departed site for the day.

Troy N. Nagurni

4/4/08 Drag Intermediate Removal TPO# TO-0001-08-01-01

0655 START-3 Nagurni and ERRI arrived onsite.

0702 START-3 Nagurni held site safety meeting - see Daily Safety Meeting form.

Weather: Morning thunder, some turning mainly cloudy in the afternoon, high ~ 62°F, winds NW at 10 to 15 mph, rain chances ~ 80%

START-3 Objectives - contractor oversight, written and photographic documentation

ERRI - continue transfer of product from deteriorating drums, ^{overhead} ~~off~~ over pack drums

that have signs of collapse, pump out Old Tank 8 am containment area into the sanitary sewer and other areas into the stormwater drainage pathway.

0730 ERRI began preparation to pump out the Old Tank 8 am secondary containment area, over pack drums, and transfer deteriorating drum product into tote tanks.

0807 ERRI began pumping out the Old Tank 8 am secondary containment area into the sanitary sewer; however, the sewer system is backed up.

0810 Light to heavy rain continued to fall.

Troy N. Nagurni

4/4/08 Drig Intermediate Removal T00#T0-0001-08-01-01

1030 ERRS continued transferring contents from deteriorating drums into tote tanks, also pumping out of warehouse into New Tank Farm containment area, also pumped out ball pit and all north pad sump area into the stormwater drainage system. ERRS continued to attempt to pump pooled water in the Old Tank Farm secondary containment area into the sewer system; however, due to continuing rainfall, the sewer system is backing up.

1155 START, EPA, and ERRS off-site for lunch.

1255 START, EPA, and ERRS on-site for lunch. Rain continued to fall.

1500 ERRS completed transfer of drum contents and overpacked 5 drums. ERRS continued to pump out the Drum Pad area into the stormwater pathway.

1440 HSC on-site to pick up forklift.

1455 ERRS continued pumping water from the North Drum Pad sump area, Drum Pad area, and Forklift Path containment area into the stormwater drainage pathway. Rain stopped.

John Niquin

4/4/08 Drig Intermediate Removal T00#T0-0001-08-01-01

1502 ERRS transferred the following deteriorating drum contents into tote tanks:

6 drums of 25 gal of bromoanisole into 25 gal tote

7 drums of 15 gal of bromotoluene into a 25 gal tote

5 drums of 27.5 gal of bromofluorobenzene into a 27.5 gal tote

7 drums of 25 gal of bromoanisole into a 25 gal tote

1 drum of 30 gal of bromofluorobenzene (65%) crude in a 27.5 gal tote

1510 ERRS overpacked the following:

10 drums of dibromobenzene sludge

2 drums of bromofluorobenzene

1 drum of bromotoluene

1 drum of bromotoluene mix

1 drum of bromobenzene put bottom

1515 EPA Charles Triha off-site.

1600 ERRS finished pumping stormwater from the Drum Pad, Forklift Pathway, and the North Drum Pad sump area into the stormwater drainage pathway. ERRS still cannot pump out the stormwater in the Old and New Tank Farm secondary containment areas because the sanitary sewer is still backing up from today's rainfall.

John Niquin

4/4/08 Drug Intermediate Removal TDD#TD-0001-08-01-01

1600 ERRS started securing equipment and supplies and check all containers one more time before demobe.

1700 ERRS began picking up trash and PPE and securing site for demobe.

START-3 Naquni completed draft of POLREP#4.

1730 START-3 and ERRS secured site and departed.

From Naquni

5/29/08 Drug Intermediate Removal TDD#TD-0001-08-01-01

0650 START-3 Naquni arrived at the Drug Site in West Memphis, AR. OSC Truck already on-site. ERRS personnel including field clerk Susan Thibault, forensic Paul McCormick, O.C. Carpenter, and Terrence Abner.

0655 START-3 Naquni held site safety meeting - see site safety plan.
Weather - Generally cloudy, high ~75°F, wind NNE at 10 to 15 mph, 10% chance of rain.

Scope of Work - START-3: removal overnight, written and photographic documentation.
ERRS - secure drums and pump out excess water.

0730 ERRS opened stormwater gate to drain stormwater in ditches from site.

0800 ERRS inspecting drums and venting ~~both~~ ^{two} bulging & collapsing drums and changing out bungs.

0930 ERRS continued drum stabilization activities. START-3 photo-documenting site and updating photographic log.

1100 ERRS departed site to pick up boxes and gear in Memphis.

From Naquni

5/28/03 Dig Intermediate. Removed TOU# TC-0001-08-01-01

1215 EPA and START-3 digested site for lunch

1315 EPA and START-3 returned to site for lunch

ERRS still get pump and hoses from United

Pentel in Memphis, TN and on lunch break

1357 ERRS returned to site for lunch and
picking up pumps and hoses.

1405 ERRS preparing to pump out wastewater into
Old Tank & Dam. START-3 Naqum preparing
to collect pH readings.

1415 START-3 recorded the following pH readings:

<u>Location</u>	<u>pH</u>
Old Tank & Dam NE Corner	9.0
Old Tank & Dam SE Corner	9.0
Old Tank & Dam SW Corner	9.0
Old Tank & Dam NW Corner	9.0
New Tank & Dam SW Corner	8.0
New Tank & Dam SE Corner	7.8
Full Lift Pad Long Chan	8.0
Over Pad Containment	8.1

1430 ERRS pumping pooled water in wastewater into
Old Tank & Dam.

1510 ERRS changing out absorbent material around
drum in warehouse. Material was placed in
a plaster-lined drum.

7:00 pm Naqum

5/29/03 Dig Intermediate. Removed TOU# TC-0001-08-01-01

1600 ERRS pumping water from the Over
Pad containment area into the
stormwater drainage pathway

1630 ERRS began pumping pooled water in the
Old Tank & Dam secondary containment
area into the sanitary sewer

1730 ERRS pumping water from the full lift pathway
into Old Tank & Dam secondary containment
area then into sanitary sewer.

1743 ERRS pumped out the 2 tote tanks with
stormwater from warehouse on 4/11/08 into
Old Tank & Dam containment area then
into sanitary sewer along with control
water from Process Area (4/13/08).

1756 ERRS pumping out water from Bull
Truck Loading Pad Area into Old Tank
& Dam containment area then into sanitary sewer.

1815 ERRS completed pumping operations for the
day and began to secure site.

1830 ERRS and START-3 off site for the day.

7:00 pm Naqum

5/30/08 Daily Intermediate Removal TDO# T0-0001-08-01-01

0655 START-3 and ERRS arrived at the Dig Site.

0700 START-3 held site safety meeting - see Daily

Fieldgate Safety Meeting Form in Site Safety Plan.

Weather - Sunny, high ~ 86°F, wind ENE

at 5 to 10 mph, 20% chance of rain

Scope of Work:

START-3 - Contractor over sight, written and photographic documentation

ERRS - continue pumping down containment area, inspect dums and change out bungs.

0740 ERRS pumping out water in process area

into Old Tank Barn containment area then

into the ^{TDO# 5/24/08} existing sanitary sewer. ERRS

also changing out and securing drum bungs.

0830 ERRS began pumping out New Tank Barn

containment area into sanitary sewer.

1000 ERRS continued pumping out of New Tank

Barn containment area into sanitary

sewer and checking drum bungs.

1155 EPA, START-3, and ERRS off-site for lunch.

1255 EPA, START-3, and ERRS off lunch break.

ERRS began rolling up hoses and preparing

pumps for return to United Rental.

1350 ERRS departed site to return pumps and

hoses to United Rental.

— Fry n Naguer —

5/30/08 Daily Intermediate Removal TDO# T0-0001-08-01-01

1500 START-3 continued updating photographic log

and working on POLNEPHS (draft).

1525 START-3 Naguer completed drafting

of POLNEPHS.

1530 ERRS returned to site from returning

pumps and hoses to United Rental.

1535 ERRS began securing site for demolition

as well as to return one more

hose to United Rental.

1615 ERRS completed securing site and

demolished from site.

1648 EPA and START-3 conducted a final

walk through to check to insure the

site is secured.

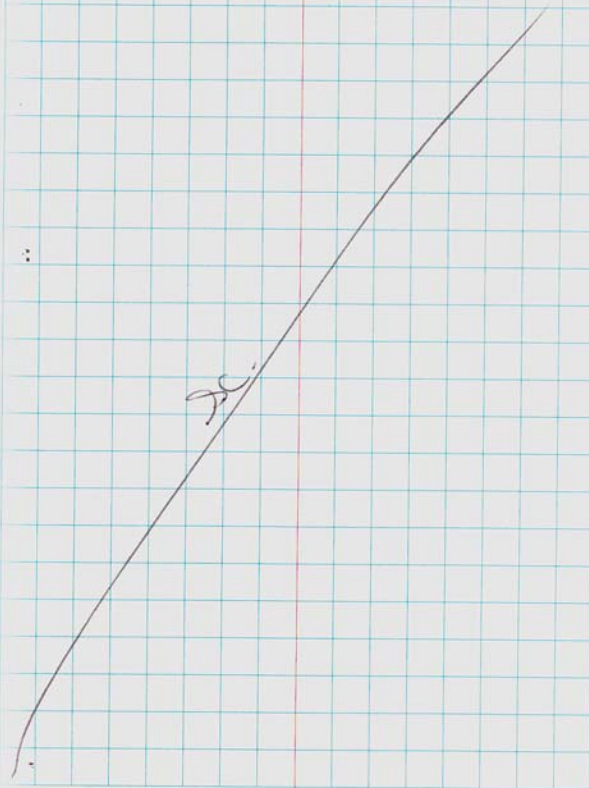
1709 EPA and START-3 locked gate and

departed site.

Fry n Naguer

- 7/22/08 Diaz Intermediates Removal TDD# TO-001-03-01-01
- 0700hrs START-3 arrives at site. EPRS crew already on-site. Weather: Sunny, approx. 75°F; Humidity: 91%, Winds: from SE at 4 mph
- EPRS holding Safety Meeting. See Daily Tailgate HHS meeting. See for details
- 0715hrs Conduct site walk-through with EPRS. Site overgrown with weeds — SC
- 0730hrs Two EPRS off-site to purchase supplies
- 0800hrs Two EPRS return to site with supplies
- 0830hrs EPRS cleaning up trash around site prior to cutting grass. — SC
- 0935hrs RCS delivers two fork lifts to site
S/N: ~~69055~~⁸⁰ & 631381 — SC
- 1000hrs RCS departs site. Economy Rental arrives at site with Small Kubota Tractor with Brushhog & Frontend loader. S/N: 7061. EPRS begins to cut grass with brushhog & woodchippers
- 1130hrs RCS Rental representative arrives at site to fix attach propane bottle to fork lift.
- 1145hrs START-3 & EPRS depart site for lunch
- 1245hrs START-3 & EPRS return from lunch. EPRS continues to cut weeds & grass
- 1500hrs EPRS continues to cut weeds & grass within property boundaries. — SC

- 7/22/08 Diaz Intermediates Removal TDD# TO-001-03-01-01
- 1740hrs EPRS shutting down for the day.
- 1800hrs EPRS & START-3 depart site. End of Day.



7/23/08 Diaz Intermediate Renewal TDD# TO-001-03-01-01

0645hrs START-3 arrives at site. EPRS

PM already on-site SC

0700hrs EPRS crew arrives at site. SC

Begin H&S meeting, see daily tailgate

H&S meeting form for details. EPRS will

continue to cut grass. SC

Weather: Clear Sky, approx. 70°F,

1" wind 80%; humidity 5W at 5 mph

Scope of Work: START-3 Contractor oversight
written + photo documentation. SC

EPRS - continue cutting grass; conduct site

walk-through w/ former site employee.

0715hrs End Safety Meeting. Rainstorm

taking place. SC

0730hrs EPRS crew begins to cut grass.

0845hrs Jim Fuhn, former Diaz Employee

arrives at site. SC

OSC Fisher Reports site. SC

0850hrs EPRS/START + Jim Fuhn conduct

site walk-through. SC

1) Red Piping along Wyanet + Peace Main

H₂O Shutoff/Buckley's revenue

2) Blue Piping - Main Water Line, 84,700

gallons on meter, 6" feed

3 Warehouse: water in sump is result from roof

SC

7/23/08 Diaz Intermediate Renewal TDD# TO-001-03-01-01

4) Tank Farm: Tank IT-04 (H&B Tank)

still showing 28 psig. EPRS will open

valves to release pressure in line. This

tank causes krupt in H₂O of secondary

Containment. SC

5) According to Mr. Fuhn, Industrial

Mechanical Contractor (IMC) who built

facility. Are located in Memphis, TN

6) Pile of Dirt behind rail-line was

Rail stop placed there by Diaz

7) Drum 25 contains mixed organics

from Tank Farm. SC

8) Truck Loading Area for Trucks

both loaded + unloaded at this area

9) The reactor tank lines in process

Building were not purged of contents

10) Produced 5-6 main products/year

Used Distillation Fractionation +

Distillation Fractionation to produce

various products. SC

11 All power been shut off except for

Trailers 1+2 (Office, lunch): 1

Trailers 3+4 (Lab + shop) electrical

room. SC

12 Electric Company, used by Diaz: American

SC

- 7:30 hrs Diaz Intermediates Removal, TDD # TO-0001-03-01-01
Electric Company, Paul Boling, located
in Memphis, TN sc
- 1030 hrs End Site walk-through. EPRS
crew continue to cut grass/woods
- 1045 hrs EPA OSC + Ann Blake, ADEQ
arrive at site. Discuss current
activities. DEQ wants to know
if there are plans to conduct Removal
Action. Not at present time; and
Any Movement or purchase of property;
Are couple of interested parties.
- 1125 hrs End ADEQ interview. Prepare to
conduct site walk-through
- 1200 hrs In Process Area. Small tanks
are used as holding tanks; Large
Blue Tanks are Reactor or Pot
tanks sc
- pH of water in filter press - 9.0
Liquid in AT-06 is HBr tech
(wood-fired). Mr. Fuhr locates
Operator's log, which contains all
information on shift changes related
to ASTs + reactor vessels.
No evidence of Leaks in Process
Area. No Standing Liquid.
- sc

- 7:30 hrs Diaz Intermediates Removal, TDD # TO-0001-03-01-01
- 1245 hrs End Site Walk Through w/
ADEQ. sc
- 1300 hrs Ms. Blake, ADEQ Departs site.
- 1330 hrs EPA/START/EPRS RM Departs site
for Lunch. sc
- 1415 hrs EPA/START/EPRS RM return to site.
Begin to review site documents for
potential removal activities.
- 1530 hrs Keith Holt, ATM, Oil Company
arrives at site to discuss potential
response activities that ATM can
provide EPA/EPRS. sc
- 1545 hrs EPRS continuing to cut grass/woods
- 1615 hrs EPRS opens valves on Tank
IT-04 to relieve back pressure.
Gauge did not move. Appears to be
faulty gauge. sc
- 1630 hrs EPRS preparing to clean out Old
Tank Secondary Containment Area
- 1730 hrs EPRS finished cleaning Old Tank
Farm Secondary Containment Area. Filled
55-gallon, black steel drum approximately
1/4 full of sweepings sc
- 1800 hrs EPA/EPRS/START-3 Depart site.
End of Day.
- sc

7/24/08 Diaz Intermediates, Too #10-0001-08-01-01

0645hrs START Crew arrives at site. ERPS on-site. SC

0700hrs ERPS crew all on site. Have HHS meeting. See Daily tailgate HHS Meeting Form for details, Weather:

Clear Sky, 70°F, Humidity: 75%, Wind: From NNE at 6mph.

ERPS objective: check all drums for condition, salvage drums in bad condition. START-3 contractor oversight, written & photographic documentation. SC

0730hrs Paul Poling, Arkansas Electric arrives at site to check on electric circuits for shutting off power to Paces Apartment Farm.

0800hrs ERPS begins to check drums for structural integrity in South Pad Area.

0830hrs ERPS checking drums in South Truck Loading Area for structural integrity.

OSC Fisher departs site for Wynne, AR & U.S. Congressman's office to pickup site file. SC

0915hrs ERPS on break. Prior to Break ERPS placed two steel 55 gallon drums in Salvage Drums due to poor integrity of drums. Due to lack of Salvage Drums, ERPS has

SC

7/24/08 Diaz Intermediates, Too #10-0001-08-01-01

placed/situated plastic sheeting over the salvage drums. The two salvage drums will be placed under Warehouse/Biber shed prior to leaving site. SC

1015hrs ERPS working in Trucking Loading Area.

1045hrs West Memphis Utilities arrives at site to read water meter. Economy Rentals arrives at site to pickup tractor, brush hog & weed eaters. SC

1105hrs Economy Rentals departs site with tractor, brush hog and weed eaters. SC

1145hrs ERPS finished checking drum bungs integrity in Truck Loading Area. Preparing to break for lunch. SC

1200hrs OSC Fisher returns to site with site file. SC

ERPS crew departs site for lunch. EPA/START departs site for lunch.

1315hrs EPA/START/ERPS returns to site from lunch. ERPS proceeds to North Drum Pad Area to begin checking drum bungs for integrity. SC

1345hrs OSC Fisher departs site for H&M. SC

1510hrs ERPS off-site to purchase more Wasp Spray. SC

SC

- 7/4/08 Diaz Intermediate Removal - T00# TO-001-02-01-01
 1545hrs EPRS returns to site. Proceed back
 to North Drum Pad Area. 2
 1630hrs EPRS finishing up drum being integrity
 inspection in North Drum Pad area
 1730hrs EPRS finished for Day.
 1745hrs EPRS Debrief meeting.
 1750hrs EPRS Departs site.
 1800hrs EPA/START-3 / EPRS Rm Depart
 site. End of Day

92

- 7/25/08 Diaz Intermediate Removal - T00# TO-001-02-01-01
 0645 START/Evan arrives at site. EPRS
 Rm on-site. 2
 0655 EPRS crew arrives at site
 Weather: Sunny Sky, approx. 73°F
 Humidity: 90%, Wind from S/E at 5 mph
 0700hrs START attends it's S meeting. See
 Daily Health & Safety Meeting form
 for specifics. 2
 EPRS - Transfer materials from 1st drum
 to new drums if storage in warehouse
 will be final walk through & pickup all
 trash. 2
 0710hrs End Shift Meeting 2
 0715hrs EPRS off-site to purchase ice &
 other supplies. 2
 0800hrs EPRS preparing to transfer &
 bulk material from collapsed drums
 (Dibromomethane drums) 2
 0810hrs Begin to pump out (transfer
 contents from 1st Dibromomethane drum)
 into 300 gallon plastic tote.
 0920hrs EPRS finished transferring Bulk,
 dibromomethane from four collapsed
 drums. Preparing to transfer
 m-bromofluorobenzene to second
 drum. 2

7/25/85 Diaz Intermediates Removal: TWP# 10-0001-88-01-0
⁵⁰
 55 300 gallon plastic tote.

1015hrs EPRS finished transferring
 m-Bromofluorobenzene from 4 collapsed
 drums to 300 gallon plastic tote.

1030hrs EPRS has staged the 2 plastic
 totes inside ~~unit~~² Receiving Warehouse

1100hrs EPRS begins to stage Salvage Drums
 inside Receiving Warehouse.

1130hrs EPRS finished staging salvage drums
 inside Receiving Warehouse. Two
 Overpacks contain Dibromofluorene
 + 2 Overpacks contain Bromofluorene
 benzene

1145hrs EPRS finished all site
 activities for this mobilization.
 Preparing to demobilize

1200hrs EPRS Crew demobilize from
 site.

1215hrs EPRS PM + START-3
 demobilize from site after locking
 gate.

11/9/08

Dig Intermediate Gap Removal T002T0-001-08-01-01

Photograph Log - Dig Intermediate Removal

Camera: Nikon Coolpix 4600 S/N 30995518

Date	Time	Dir	Photo #	Subject	P/W
11/9/08	0737*	N	001	Dig sign at entrance of facility	TN/CF
	0741*	Down	002	Leaking Di-Bromobenzene drum in ^{Tm 11/11/08} warehouse	
	0741*	S	003	Deteriorating Di-Bromobenzene drum in warehouse	
	0805*	Down	004	Broken plastic bungs	
	0807*	Down	005	Broken plastic bung on Mixed Organic Overhead tank	
	0837	NNE	006	Storm water gate at NE corner of facility	
	0837	NNE	007	EPA and ADEL inspecting storm water drainage gathering	
	0840	N	008	Pooled water in Drum Pad area	
11/9/08	0840	SW	009	Pooled water in Tank 8 area secondary containment area	TN/CF

11/9/08	0852	W	010	Pooled water in ^{Tm 11/11/08} warehouse	TN/CF
	0855	SE	011	ERRI moving leaking drum for transfer	
	0902	SSW	012	Drum in warehouse exhibiting signs of deterioration	
	1316	W	013	Leaking drum staged next to tote tank for transfer	
	1319	SSW	014	Replacing broken plastic bungs	
	1320	NNE	015	Replacing broken plastic bungs	
11/9/08	1326	Down	016	Broken plastic bungs on Groggyl Bromide drum	TN/CF
11/9/08	1338	E	017	Another view of pooled water in Drum Pad secondary containment area	TN/CF

*Note - Photographs 001 through 009 were corrected for C ST

TN = Troy Naquin
CF = Charles Fisher

Troy Naquin

11/10/08

Diary Intermediate Removal TDO#TD-0001-08-01-01

Photograph Log

Camera: Nikon Coolpix 4600 s/n 30995548

Date	Time	Dir	Photo#	Subject	P/W
11/10/08	0825	NW	018	ERRS gurgling out warehouse sump	TN/CF
	0830	N	019	ERRS gurgling out warehouse sump into Tank Farm 1 (aka) secondary containment area	
	0830	NW	020	ERRS 11/10/08 Leaking drum of Di-Bromobenzene stored for transfer	
	1112	W	021	Transferring Di-Bromobenzene drums into plastic tote tank	
	1120	E	022	" "	11
	1124	NNW	023	Pooled water in tank farm secondary containment areas.	TN/CF
11/10/08	1408	Down	024	START collecting water samples from tank farm secondary containment areas.	DE/TN

11/10/08	1408	N	025	START and EPA collecting water sample from tank farm secondary containment area	DE/TN
	1425	W	026	ERRS transferring Di-Bromobenzene from drums into tote tanks	
	1428	N	027	Collecting water sample for Drum Pad secondary containment area	
	1435	E	028	Collecting water sample from North Pad sump area	
11/10/08	1502	NNC	029	Collecting water sample from storm water drainage pathway upstream of storm water gate	DE/TN

DE = Don Edgington
 TN = Troy Naguin

Troy Naguin

1/11/08

Dray Intermediate Removal TDO#TG-0001-08-01-01

Photograph Log

Camera: Nikon Coolpix 4600 S/N 30995548

Date	Time	Dir	Photo#	Subject	P/W
1/11/08	0900	W	030	ERRS pumping Di-Bromobenzene from drums into plastic tote tanks	TN/CF
	0900	W	031	"	"
	0901	W	032	"	"
	1410	W	033	ERRS constructing containment area and over-parking drums of Di-Bromobenzene	
	1411	W	034	Plastic over-park drums with drums containing Di-bromobenzene sludge	
	1411	W	035	Di-Bromobenzene drums with sludge staged in constructed containment area	
✓	1/11/08	1424	S	036 Elevating drums in Process Plant off floor	TN/CF

4/4/08	1525	W	037	Di-Bromobenzene drums sterilized in warehouse	TN/CF
1/11/08	1528	S	038	Tote tank with di-bromobenzene transferred from drums with proper label.	TN/CF

TN = Troy Naguin
CF = Charles Fisher

Troy Naguin

1/29/08

Dray Intermediate Remedial TAP# TO-0001-08-01-01

Photograph Log

Camera: Nikon Coolpix 4600 s/N 30995548

Date	Time	Dir	Blk#	Subject	Plw
1/29/08	0942	SE	039	Pumping of North Pal Sump Area into the storm water drainage pathway	TN/CF
	0943	NE	040	"	"
	0958	WSW	041	Pumping of Old Pal secondary containment water into the storm water drainage pathway	"
	1004	E	042	"	"
	1346	E	043	Pooled water in New Tank Dam secondary containment prior to pumping	
	1417	S	044	Pumping out of pooled water from the New Tank Dam secondary containment area into sanitary sewer	
	1421	SW	045	"	"
1/29/08	1425	Down	046	Bags of Caustic Soda to be added to water from the Old Tank Dam secondary containment area to raise the pH	TN/CF

1/29/08	1426	ENE	047	Two 300-gal tote tanks sloped for mixing the caustic soda and Old Tank Dam secondary containment water	TN/CF
	1447	SE	048	Pump Old Tank Dam secondary containment water into tote tank for mixing with caustic soda	"
	1449	SE	049	"	"
	1450	SW	050	"	"
	1450	SE	051	"	"
	1451	SE	052	"	"
	1501	NE	053	Adding caustic soda into tote tank with water from Old Tank Dam secondary containment area	"
	1503	NE	054	"	"
	1512	NE	055	Circulating caustic soda and water from Old Tank Dam secondary containment area	TN/CF
1/29/08	1617	NE	056	Recording a pH reading from tote tank	DE/TN

TN = Troy Naguin
 CF = Charles Fisher
 DE = Don Edgington

Troy Naguin

1/30/08

Diary: Interim Leaking Removal TDA#TO-0001-08-01-01

Photograph Log

Camera: Nikon Coolpix 4600 S/N 30995548

Date	Time	Dir	Photo#	Subject	Plw
1/30/08	0817	W	057	ERRS gauging pool water out of secondary containment area	TN/CF
	0820	W	058	Pooled water frozen in drum pad containment	
	0835	N	059	Pumping pooled water out of Bell Truck Body Pad secondary containment area	
	1034	WNW	060	Measuring amount of muriatic acid to add to water to precipitate ^{precipitate} zinc	
	1038	N	061	Adding muriatic acid to tote tank to precipitate zinc	
	1049	ESE	062	Pumping out of Matt Pad Sump Area	✓
1/30/08	1110	E	063	Discharging pooled water from Drum Pad area into stormwater drainage pathway	TN/CF

1/30/08	1322	WNW	064	Mixing muriatic acid with water in tote tank from secondary containment area	TN/CF
1/30/08	1326	Down	065	"	" TN/CF
1/31/08	0813	S	066	Mixing pooled water in secondary containment area treated with muriatic acid	
	0837	N	067	Adding muriatic acid to tote tank containing secondary containment water	
	0910	WSW	068	ERRS gauging aboveground storage tanks	
	0930	N	069	"	"
	1057	N	070	Conducting bench scale study to precipitate zinc from secondary containment water	
	1412	Down	071	Zinc precipitate at bottom of bucket	
	1746	SSW	072	START-3 sampling treated pooled secondary containment water for lab analysis	DET/N
1/31/08	1740	SSW	073	"	"

DET/N

FAC/CF

DET/N

Troy M. Nagurni

4/1/08

Dig Intermediate Removal T00# TO-0001-08-01-01

Photography Log

Camera: Nikon Coolpix 4600 S/N 30995548

Date	Time	Dir	Photo#	Subject	Plw
4/1/08	0734 0734	W	074	ERRS monitoring discharge of stormwater into the sanitary sewer	TN
	0736 0736	W	075	Pumping out water from the New Tank Farm secondary containment area into the sanitary sewer	
	0737 0737	W	076	Pumping out water from the Old Tank Farm containment area into the stormwater drainage gateway	
4/1/08	0939	NW	077	Pooled water in Old Tank Farm containment area	TN
4/2/08	0803	NNE	078	ERRS securing and changing drum bungs	
	1025	W	079	EPA touring site with ADED representative	
	1255	N	080	ERRS securing and changing drum bungs	
	1455	SW	081	ERRS gauging tank car	
	1547	S	082	View of stormwater gate and drainage gateway	
	1543	W	083	Stormwater drainage gateway flowing NW under RR track	

4/2/08	1550	NW	084	Stormwater drainage gateway discharge point into gas field NW of the site	TN
4/2/08	1255	NNW	085	Four overpack drums with the 1,1-dibromobenzene sludge	
	1257	S	086	ERRS transferring deteriorating drum with bromobenzene and bromofluorobenzene into tote tank	
	1259	NW	087	View of pooled water in Old Tank Farm secondary containment area prior to treatment	
	1259	W	088	View of Old Tank Farm containment area pumped down	
	1311	NNW	089	Removing water from Old Tank Farm containment area into tote tanks for testing	
	1655	SW	090	ERRS adding muriatic acid to lower pH in the Old Tank secondary containment area	
4/3/08	1657	W	091	Circulating water in Old Tank Farm containment area after muriatic acid was added	TN
4/4/08	0859	N	092	ERRS transferring deteriorating drum contents into tote tanks	
	0901	S	093	"	
	0903	NW	094	ERRS overpacking collapsed bromofluorobenzene drum	
	0903	SW	095	"	
4/4/08	0906	N	096	"	TN

Page 2. Page

5/28/08

Deag Intermediates Removal T00#T0-0001-08-01-01

Photology

Camera: Nikon Coolpix 4600 S/N 30995548

Date	Time	Dir	Photo#	Subject	Plw
5/28/08	0851	W	097	Pooled water in warehouse area to pumping out	TN
	0852	NW	098	Pooled water in Old Tank Farm containment area going to pumping into sanitary sewer	
	0852	WSW	099	"	"
	0852	W	100	Pooled water in New Tank Farm containment area going to pumping into sanitary sewer	
	0853	S	101	Pooled water in forklift pathway area going to pumping	
	0854	N	102	Pooled water in Drum Pad Area going to pumping into stormwater drainage pathway	
	1008	WSW	103	ERRS changing out and securing drum bungs	
	1431	N	104	Pumping out of pooled water in warehouse into the Old Tank Farm containment area	
5/28/08	1431	W	105	"	TN
5/28/08	1604	E	106	Pumping out of pooled water from Drum Pad Area into the storm water drainage pathway	TN
	1738	ENE	107	Pumping out of Forklift Pathway Area in Old Tank Farm containment area	
	1741	N	108	Drum Pad area pumped out	
	1743	S	109	Pumping out of tote tanks containing Wadsworth storm water from 4/1/08 and contact water from Process Area	
	1743	NE	110	Pumping out of Process Area contact water from 4/3/08 into Old Tank Farm secondary containment area into sanitary sewer.	
	1756	NE	111	Pumping out of pooled water in Billie Truck Loading Pad Area into Old Tank Farm containment area	
5/28/08	1758	W	112	Absorbent material replaced around overpack drums in warehouse.	TN
5/29/08	0740	W	113	Pumping Old Tank Farm containment area pooled water into sanitary sewer	
	0742	SE	114	Pumping out of pooled water in Process Area into Old Tank Farm containment area	
5/29/08	0751	NNE	115	Pooled water in Process Area	TN

Dag M. Maguire

5/29/08

Dray Intermediate Removal T00# T0-001-08-01-01

Photograph Log

Camera: Nikon Coolpix 7600 S/N 30995548

Date	Time	Alt	Alt #	Subject	Pls
5/29/08	0800	2 nd	116	Old Tank Farm secondary containment area after pooled water gurgled into sanitary sewer	TN
	0801	2 nd	117	"	"
	0804	2 nd	118	ERRS securing bags on drums	
	0906	S	119	Pumping out of pooled water in New Tank Farm containment area into sanitary sewer	
	0907	W	120	View of Old Tank Farm secondary containment area after gurgling out	
	0909	W	121	View of water ^{from 9/10/03} of washline after water pooled out and absorbent material changed.	
✓	1014	W/SW	122	Pumping down of New Tank secondary containment area into sanitary sewer	✓ TN
5/29/08				Tray m. Paquin	

5/21/08	1042	N	123	ERRS changing out bags on drums in North Pallet	TN
5/29/08	1050	W	124	New Tank Farm secondary containment area gurgling out into sanitary sewer	
7/12/08	1048	NW	125	ERRS cutting grass along front drainage ditch	SC
7/23/08	1610	W	126	ERRS opening valve on AST IT-04 to release pressure inside tank	
7/23/08	1726	W	127	View of cleaned secondary containment area at Old Tank Farm.	SC
7/23/08	1726	N	128	Additional view of Old Tank Farm secondary Containment area after cleaning	
7/23/08	1727	E	129	View of drum containing floorsweepings from Old Tank Farm secondary containment area.	
7/24/08	0801	E	130	ERRS checking drum bung integrity in South Drum Pad Area	
7/24/08	0829	NW	131	ERRS change drum bung on drum from South section of Truck Loading Area.	
7/24/08	1010	N	132	View of Corroded drum containing bromomethyl-rebore (Cribbs) inside Salvage drum.	

Steve Carr

7/24/08

Diaz Intermediates Renewal TAD# TC-0001-08-01-01

Photographic Log (Continued)

Camera: Samsung Digital S500

Date	Time	Dir.	Photo#	Description	P/W
7/24/08	1011	N	133	View of 2 salvage drums, without lids, containing two corroded drums	2C
7/24/08	1454 1453	N	134	View of ERPS changing drum bung in North Drum pad.	2C
7/25/08	0819	NW	135	View of ERPS transferring contents of partially collapsed drum to 250-gallon plastic tote	2C
7/25/08	1009	N	136	View of drums re positioned in North Drum pad area.	2C
7/25/08	1010	W	137	View of new walkways in North Drum pad area.	2C
7/25/08	1026	SW	138	View of two plastic, 250-gall. totes containing transferred materials inside Receiving Warehouse.	2C
7/25/08	1113	W	139	View of two partially collapsed drums on pallet inside Receiving Warehouse, one drum contains small blisters	2C.

J. M. Naguin

APPENDIX I

Copy of START-3 TTD# TO-0001-08-01-01 and Amendments A, B, and C



U.S. EPA
Washington, DC 20460

START3
Technical Direction Document

Response Activities - REMOVAL
Funds (0001)
Dynamac Corporation

TDD #: TO-0001-08-01-01
Contract: EP-W-06-077

! = required field

TDD Name: Diaz Intermediates Corporation		! Period: Base Period
! Purpose: Work Assignment Initiation		
! Priority: High	! Start Date: 01/04/2008	
Overtime: Yes	! Completion Date: 05/30/2008	
! Funding Category: Removal	Invoice Unit:	
! Project/Site Name: Diaz Intermediates Corporation		
Project Address: 301 Wyanoke Road		Activity: Fund-Lead Removal
County:	Work Area Code:	
City, State: West Memphis, AR	Activity Code: RV	
Zip:	EMERGENCY CODE:	
! SSID: A6C4	FPN:	
CERCLIS: ARR000005843	Performance Based: No	
Operable Unit:		

Authorized TDD Ceiling:	Cost/Fee	LOE (Hours)
Previous Action(s):	\$0.00	0.0
This Action:	\$20,000.00	0.0
New Total:	\$20,000.00	0.0

Specific Elements - Document costs incurred by the contractor for the response actions, - Develop site specific Health and Safety Plans (HSPs), - Develop health and safety procedures for response activities such as OSHA levels of protection associated with a site, - Review completeness of disposal documentation such as manifests waste profile data and other information, - Identify local and elected officials

Description of Work:

One (1) START to maintain log book of removal activities; photodocument removal activities; Coordinate with OSC Fisher. Prepare final removal report for OSC review and approval.

SFO: 22

Line	DCN	IFMS	Budget / FY	Approp. Code	Budget Org Code	Program Element	Object Class	Site Project	Cost Org Code	Amount
1	RVC007	AAO	07	T	6A00E	302DC6C	2505	A6C4RV00	-	\$20,000.00

Funding Summary:	Funding
Previous:	\$0.00
This Action:	\$20,000.00
Total:	\$20,000.00

Funding Category
Removal

Section

: Charles Fisher by Linda Carter
Phone #:

Date: 01/04/2008

Project Officer: Linda Carter

Date: 01/04/2008

Contracting Officer: Tobin Osterberg

Date: 01/07/2008

No **During the past three (3) calendar years has your company, or any of your employees that will be working at this site, previously performed work at this site/facility?**

Contractor Contact: Debra Pandak

Date: 01/07/2008



U.S. EPA
Washington, DC 20460

START3
Technical Direction Document

Response Activities - REMOVAL
Funds (0001)
Dynamac Corporation

TDD #: TO-0001-08-01-01

Amendment#:A

Contract: EP-W-06-077

! = required field

TDD Name: Diaz Intermediates Corporation		! Period: Base Period
! Purpose: Change Period of Performance, Incremental Funding		
! Priority: High	! Start Date: 01/04/2008	
Overtime: Yes	! Completion Date: 06/30/2008	
! Funding Category: Removal	Invoice Unit:	
! Project/Site Name: Diaz Intermediates Corporation		
Project Address: 301 Wyanoke Road		Activity: Fund-Lead Removal
County:	Work Area Code:	
City, State: West Memphis, AR	Activity Code: RV	
Zip:	EMERGENCY CODE:	
! SSID: A6C4	FPN:	
CERCLIS: ARR000005843	Performance Based: No	
Operable Unit:		
Authorized TDD Ceiling:	Cost/Fee	LOE (Hours)
Previous Action(s):	\$20,000.00	0.0
This Action:	\$15,000.00	0.0
New Total:	\$35,000.00	0.0

Specific Elements - Document costs incurred by the contractor for the response actions, - Develop site specific Health and Safety Plans (HSPs), - Develop health and safety procedures for response activities such as OSHA levels of protection associated with a site, - Review completeness of disposal documentation such as manifests waste profile data and other information, - Identify local and elected officials

Description of Work:

Amendment A extends the period of performance and adds incremental funding to continue the field activities.

One (1) START to maintain log book of removal activities; photodocument removal activities; Coordinate with OSC Fisher. Prepare final removal report for OSC review and approval.

SFO: 22

Line	DCN	IFMS	Budget / FY	Approp. Code	Budget Org Code	Program Element	Object Class	Site Project	Cost Org Code	Amount
1	RVC023	XXX	08	T	6A00S	302DC6C	2505	A6C4RV00	C001	\$15,000.00

Funding Summary:	Funding
Previous:	\$20,000.00
This Action:	\$15,000.00
Total:	\$35,000.00

Funding Category
Removal

Section

: Charles Fisher by Linda Carter

Date: 04/03/2008

Phone #:

PO Comments: Issued per 4/3/2008 email request from OSC Charles Fisher.

Project Officer: Linda Carter

Date: 04/03/2008

Contracting Officer: Cora Stanley

Date: 04/03/2008

Contractor Contact: Debra Pandak

Date: 04/04/2008



U.S. EPA
Washington, DC 20460

START3
Technical Direction Document

Response Activities - REMOVAL
Funds (0001)
Dynamac Corporation

TDD #: TO-0001-08-01-01
Amendment#:B
Contract: EP-W-06-077

! = required field

TDD Name: Diaz Intermediates Corporation		! Period: Base Period
! Purpose: Change Period of Performance		
! Priority: High	! Start Date: 01/04/2008	
Overtime: Yes	! Completion Date: 09/30/2008	
! Funding Category: Removal	Invoice Unit:	
! Project/Site Name: Diaz Intermediates Corporation		
Project Address: 301 Wyanoke Road		Activity: Fund-Lead Removal
County:	Work Area Code:	
City, State: West Memphis, AR	Activity Code: RV	
Zip:	EMERGENCY CODE:	
! SSID: A6C4	FPN:	
CERCLIS: ARR000005843	Performance Based: No	
Operable Unit:		
Authorized TDD Ceiling:	Cost/Fee	LOE (Hours)
Previous Action(s):	\$35,000.00	0.0
This Action:	\$0.00	0.0
New Total:	\$35,000.00	0.0

Specific Elements - Document costs incurred by the contractor for the response actions, - Develop site specific Health and Safety Plans (HSPs), - Develop health and safety procedures for response activities such as OSHA levels of protection associated with a site, - Review completeness of disposal documentation such as manifests waste profile data and other information, - Identify local and elected officials

Description of Work:

Amendment B extends the period of performance to make one more stabilization trip to the site in late July or early August timeframe and to prepare the final report. There is no increase in cost/fee.
Amendment A extends the period of performance and adds incremental funding to continue the field activities.

One (1) START to maintain log book of removal activities; photodocument removal activities; Coordinate with OSC Fisher. Prepare final removal report for OSC review and approval.

SFO:

Line	DCN	IFMS	Budget / FY	Approp. Code	Budget Org Code	Program Element	Object Class	Site Project	Cost Org Code	Amount
1										\$0.00

Funding Summary:	Funding
Previous:	\$35,000.00
This Action:	\$0.00
Total:	\$35,000.00

Funding Category
Removal

Section

: Charles Fisher by Linda Carter
Phone #:

Date: 06/10/2008

PO Comments: Amendment issued per 6/10/2008 email from OSC Fisher.

Project Officer: Linda Carter

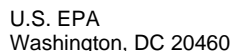
Date: 06/10/2008

Contracting Officer: Cora Stanley

Date: 06/10/2008

Contractor Contact: Debra Pandak

Date: 06/11/2008



Response Activities - REMOVAL
Funds (0001)
Dynamac Corporation

TDD #: TO-0001-08-01-01
Amendment#: C
Contract: EP-W-06-077

TDD Name: Diaz Intermediates Corporation		! Period: Base Period	
! Purpose: Change Period of Performance			
! Priority: High		! Start Date: 01/04/2008	
Overtime: Yes		! Completion Date: 10/31/2008	
! Funding Category: Removal		Invoice Unit:	
! Project/Site Name: Diaz Intermediates Corporation			
Project Address: 301 Wyanoke Road		Activity: Fund-Lead Removal	
County:		Work Area Code:	
City, State: West Memphis, AR		Activity Code: RV	
Zip:		EMERGENCY CODE:	
! SSID: A6C4		FPN:	
CERCLIS: ARR000005843		Performance Based: No	
Operable Unit:			
Authorized TDD Ceiling:		Cost/Fee	LOE (Hours)
Previous Action(s):		\$35,000.00	0.0
This Action:		\$0.00	0.0
New Total:		\$35,000.00	0.0

Specific Elements - Document costs incurred by the contractor for the response actions, - Develop site specific Health and Safety Plans (HSPs), - Develop health and safety procedures for response activities such as OSHA levels of protection associated with a site, - Review completeness of disposal documentation such as manifests waste profile data and other information. - Identify local and elected officials

Amendment C extends the period of performance to Oct 31, 2008 due to interference from Hurricane Gustav and Ike activities. There is no increase to cost/fee.

Amendment B extends the period of performance to make one more stabilization trip to the site in late July or early August timeframe and to prepare the final report. There is no increase in cost/fee.

Amendment A extends the period of performance and adds incremental funding to continue the field activities.

One (1) START to maintain log book of removal activities; photodocument removal activities; Coordinate with OSC Fisher. Prepare final removal report for OSC review and approval.

[illegible]

Funding Summary:		Funding
	Previous:	\$35,000.00
	This Action:	\$0.00
	Total:	\$35,000.00

Funding Category

Removal

Section

: Charles Fisher by Linda Carter

Date: 09/09/2008

Phone #:

PO Comments: Issued per 9/9/2008 email request from RPM Charles Fisher.

Project Officer: Linda Carter

Date: 09/09/2008

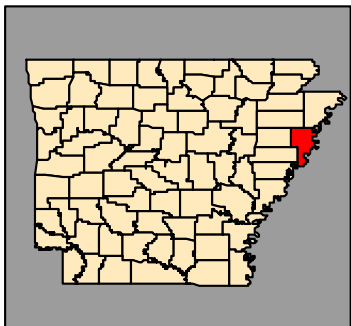
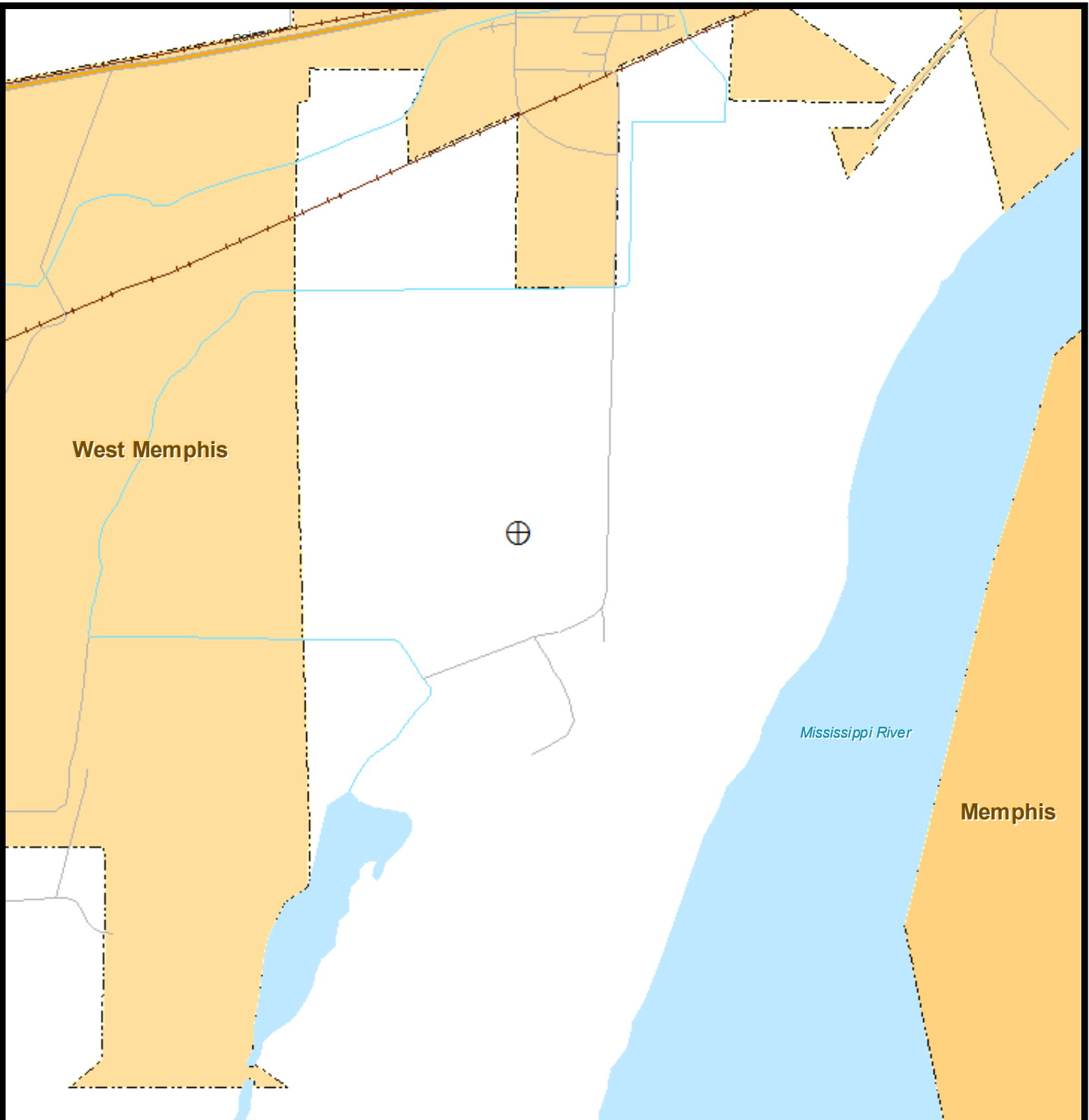
Contracting Officer: Cora Stanley

Date: 09/09/2008

Contractor Contact: Debra Pandak

Date: 09/10/2008

Figure 1
Diaz Intermediates Corp. Site Location Map



Legend
⊕ Site Location



0 1,200 2,400 4,800 7,200 Feet

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY



**DIAZ INTERMEDIATES CORP.
SITE LOCATION MAP**

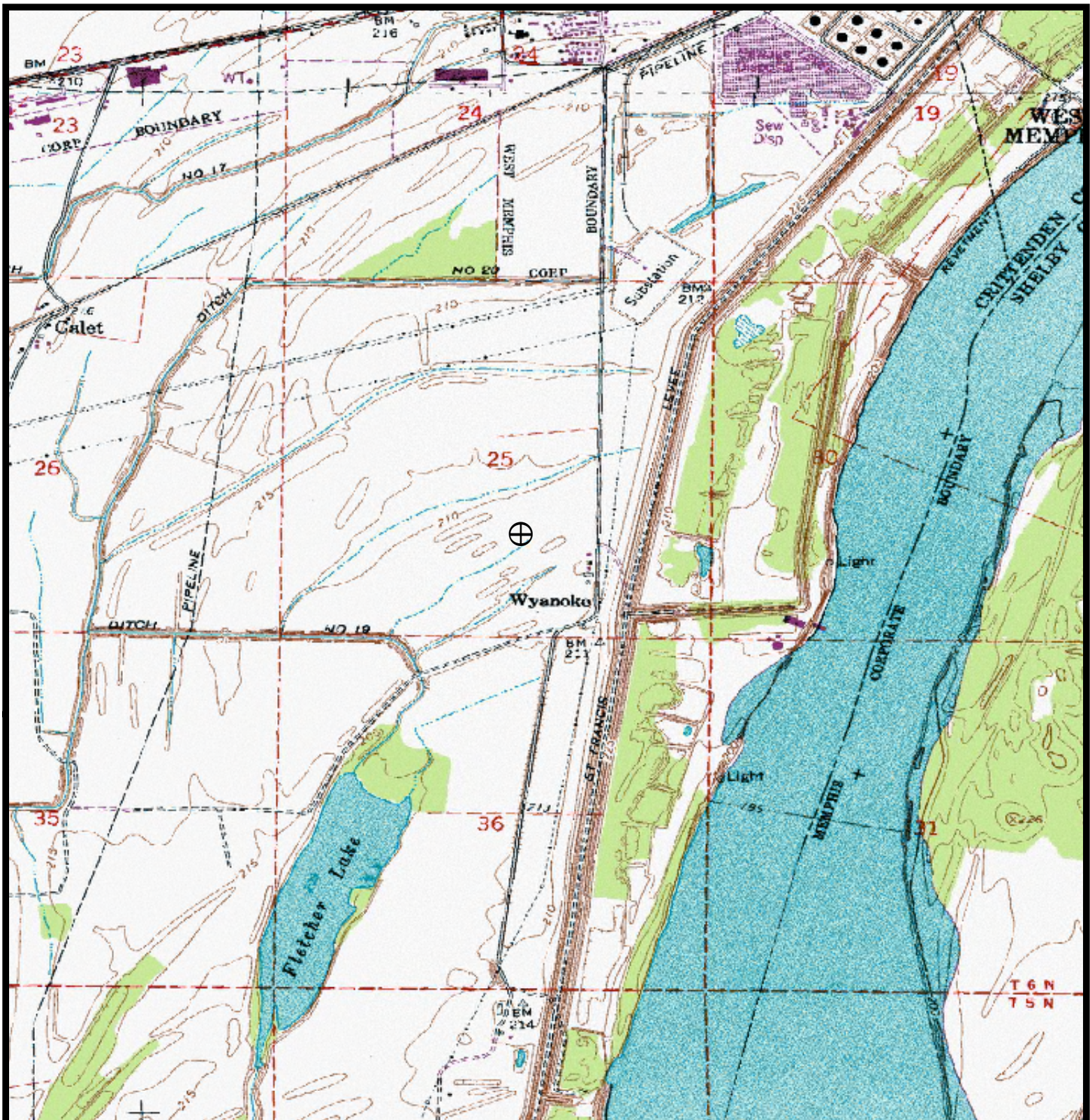
WEST MEMPHIS, CRITTENDEN
COUNTY, ARKANSAS

**DYNAMAC
CORPORATION**

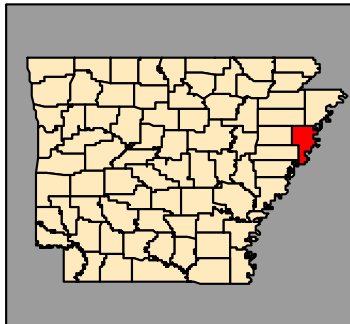
Drawn:	JTT/AV9.2
Date:	10/15/08
Dwg. No.:	DI-XX

FIGURE 1

Figure 2
Diaz Intermediates Corp. Site Area Map



DRG(1999) downloaded from USDA/NRCS Geospatial Data Gateway



Legend

⊕ Site Location



0 1,000 2,000 4,000 6,000 Feet

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY



DIAZ INTERMEDIATES CORP. SITE AREA MAP

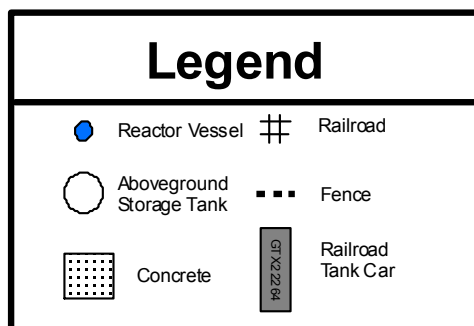
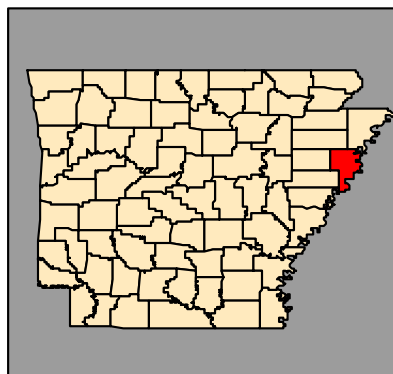
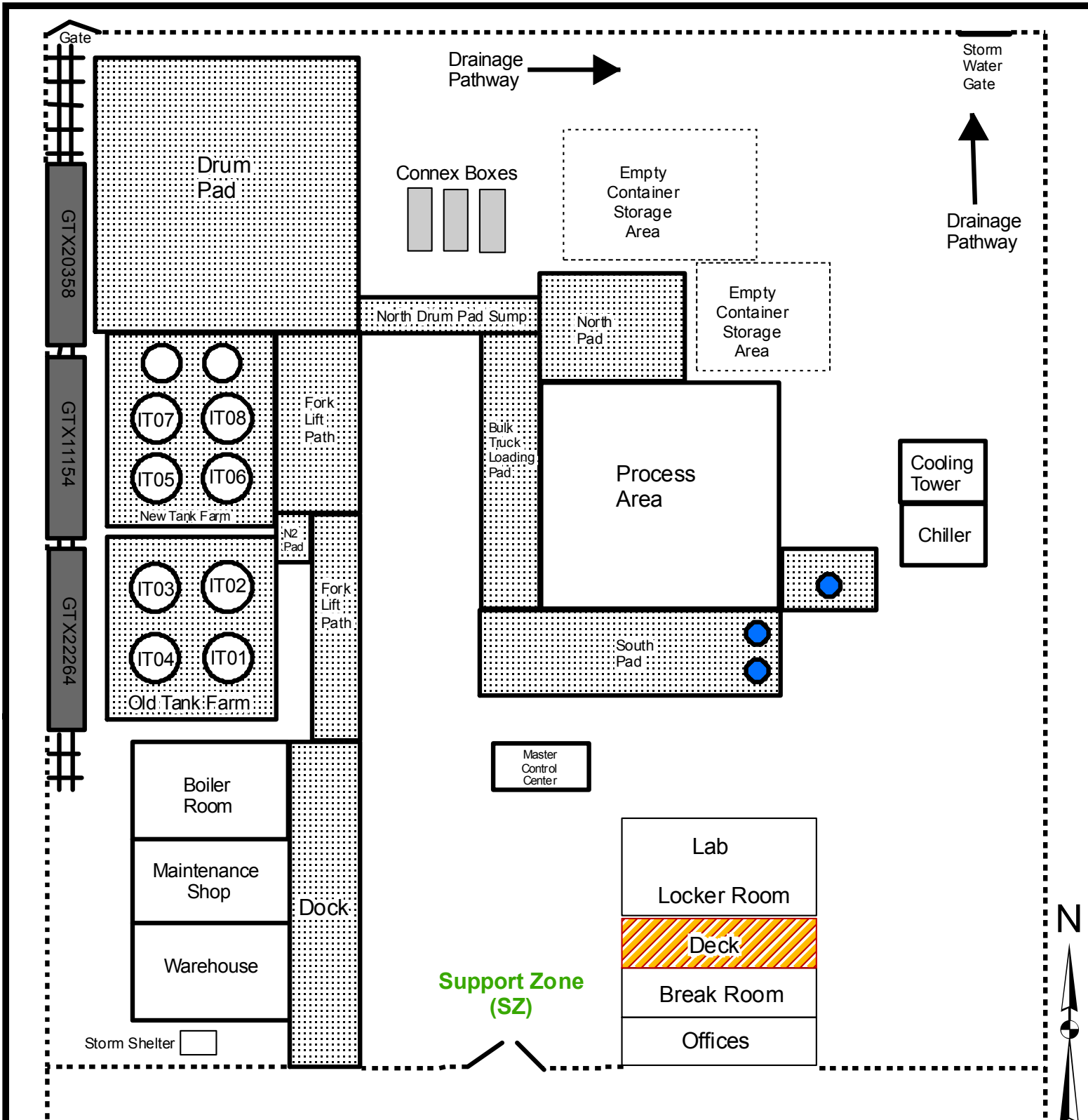
WEST MEMPHIS, CRITTENDEN
COUNTY, ARKANSAS

DYNAMAC
CORPORATION

Drawn: JTT/AV9.2
Date: 10/15/08
Dwg. No.: DI-XX

FIGURE 2

Figure 3
Diaz Intermediates Corp. Site Plan Map



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DIAZ INTERMEDIATES CORP. SITE PLAN

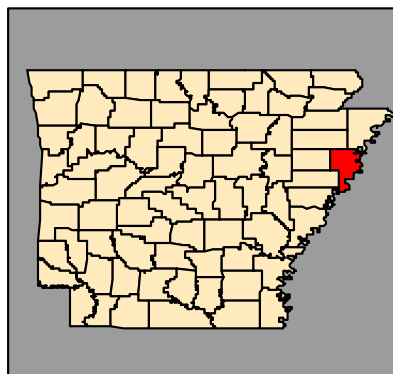
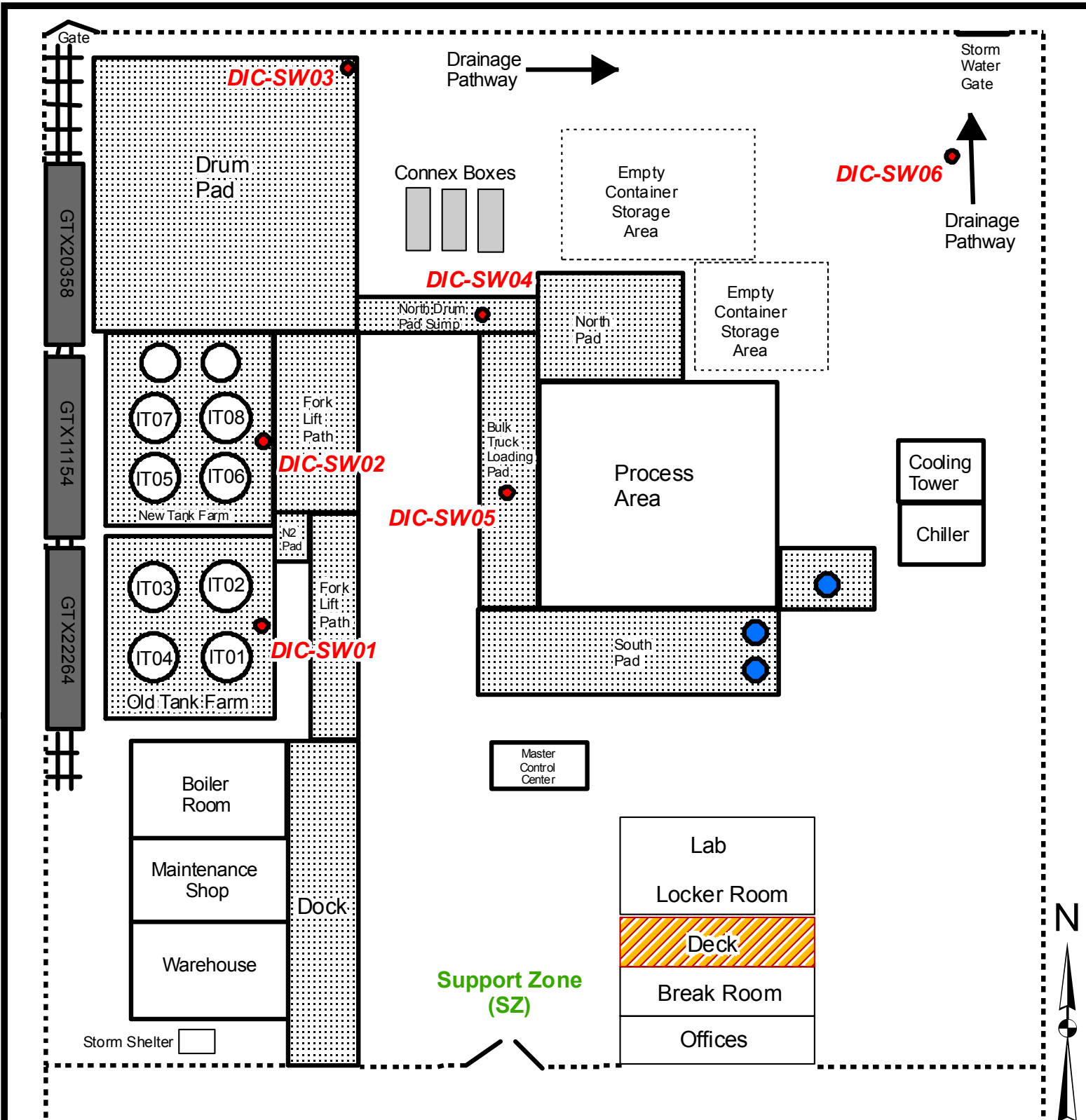
WEST MEMPHIS, CRITTENDEN
COUNTY, ARKANSAS

DYNAMAC
CORPORATION

Drawn:	JTT/AV9.2
Date:	10/15/08
Dwg. No.:	DI-XX

FIGURE 3

Figure 4
Diaz Intermediates Corp. Storm Water Sample Location Map



Legend

- Reactor Vessel
- Aboveground Storage Tank
- Concrete
- Storm Water Sample Location
- Railroad
- Fence
- Railroad Tank Car

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DIAZ INTERMEDIATES CORP.
STORM WATER
SAMPLE LOCATION MAP

WEST MEMPHIS, CRITTENDEN
COUNTY, ARKANSAS

DYNAMAC
CORPORATION

Drawn: JTT/AV9.2
Date: 10/15/08
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FIGURE 4